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BEOBACHTET AUF DER STERNWARTE

CHRISTIANIA.

LEIPZIG 1890.

IN COMMISSION BEI WILHELM ENGELMANN.

CATALOG VON 3949 STERNEN

ZWISCHEN 64° 50′ UND 70° 10′ NÖRDLICHER DECLINATION 1855

FÜR DAS AEQUINOCTIUM

1875

NACH ZONEN-BEOBACHTUNGEN AM ERTEL'SCHEN MERIDIANKREISE

DER

UNIVERSITÄTS-STERNWARTE IN CHRISTIANIA

IN DEN JAHREN 1870 BIS 1881

VON

C. FEARNLEY UND H. GEELMUYDEN
DIRECTOR OBSERVATOR DER STERNWARTE.

HERAUSGEGEBEN VON DER ASTRONOMISCHEN GESELLSCHAFT.

LEIPZIG 1890.
IN COMMISSION BEI WILHELM ENGELMANN.

EC 221.02

EINLEITUNG.

Der folgende Catalog ist auf die im Jahre 1888 veröffentlichten »*Zonenbeobachtungen der Sterne zwischen 64° 50′ und 70° 10′ nördlicher Declination*« gegründet und enthält in Gemässheit des von der Astronomischen Gesellschaft aufgestellten Programms alle Sterne dieser Zone, die im Bonner Sternverzeichniss (B. D.) mit den Grössen bis 9.0 bezeichnet sind, sowie von den schwächeren diejenigen, welche in Argelander's nördlichen Zonen* (*Bonner Beobachtungen* I) und in Lalande's *Histoire céleste* vorkommen; ausserdem noch eine kleinere Anzahl von Sternen, die gelegentlich mitgenommen und in B. D. zum Theil nicht verzeichnet sind.** Mit Ausnahme einzelner unter diesen letzteren Sternen, welche nur einmal beobachtet, und daher nicht in allen Fällen vollständig gesichert sind, ist jeder Stern wenigstens einmal in jeder Lage des Instruments beobachtet worden. Bezüglich aller Einzelheiten der Beobachtung und der Reduction wird hier auf die vorgenannte Veröffentlichung verwiesen, nur folgende Angaben mögen zur allgemeinen Charakterisirung der Beobachtungen wiederholt werden.

Das angewandte Instrument war der dreifüssige Ertel'sche Meridiankreis der Sternwarte, mit fünffüssigem Fernrohr von 48 Linien Oeffnung und 180f. Vergrösserung; die Beobachtung am Fernrohr wurde von Fearnley, diejenige der Durchgänge an durchschnittlich 4 Fäden mit Auge und Ohr angestellt, der Kreis von Geelmuyden an 2 Nonien abgelesen.

Die aus den einzelnen Beobachtungen folgenden Oerter für das Aequinoctium 1875.0 sind in der genannten Veröffentlichung schon mitgetheilt. Um dieselben für den Catalog zu Mitteln zu vereinigen, war für diejenigen Sterne, welche in der einen Kreislage öfter als in der anderen beobachtet waren, die Untersuchung eines etwaigen systematischen Unterschiedes zwischen den Beobachtungen in den beiden Lagen erforderlich. Ausgeschlossen von dieser Untersuchung wurden alle Sterne mit merklicher Eigenbewegung, sowie ausserdem noch die eine Coordinate in einigen wenigen Fällen, wo in diesem Stadium der Arbeit irgend ein Zweifel obwaltete. Das Ergebniss für jede Stunde der Rectascension ist aus folgender Tabelle ersichtlich, wo die Grenzen zwischen den Stunden nicht genau auf den Uebergang von der einen Stunde zur anderen fallen, sondern davon ein paar Minuten abweichen können.

Stunde	Rectascension		Declination		Stunde	Rectascension		Declination	
	Beob.	O−W	Beob.	O−W		Beob.	O−W	Beob.	O−W
0	205	+0ˢ.044	207	−1″.08	12	103	−0ˢ.016	103	−0″.07
1	160	+0.004	162	−0.94	13	134	−0.037	133	−0.58
2	164	+0.019	164	−1.10	14	135	−0.067	135	−0.96
3	133	−0.051	133	−0.94	15	163	−0.056	163	−0.97
4	149	+0.015	150	−1.00	16	178	−0.047	178	−0.49
5	150	+0.068	150	−1.06	17	177	−0.032	179	−0.34
6	150	−0.018	150	−0.90	18	165	−0.039	165	−0.53
7	165	−0.005	165	−1.23	19	194	+0.052	194	−0.83
8	135	+0.048	135	−1.23	20	149	0.000	149	−0.69
9	133	+0.012	133	−1.36	21	225	+0.011	225	−1.32
10	135	−0.023	135	−0.94	22	207	−0.004	207	−1.13
11	134	−0.018	134	−0.44	23	224	−0.009	224	−1.07

* Von diesen ist ein Stern (B. D. 68° 546, Gr. 9.3) bei Ausarbeitung der Listen übersehen worden. Nach Oeltzen's Catalog muss die Zeitminute in B. D. 40 anstatt 39 sein. Ausserdem fehlt B. D. 66° 1147 (8ᵐ.6 B.), indem an Stelle desselben der Stern B. D. 66° 1146 (9ᵐ.3) in die Listen eingetragen und beobachtet worden ist.

** Die nicht zum Programm gehörigen Sterne sind im Catalog dadurch kenntlich, dass ihre B. D.-Nummern, falls die Sterne überhaupt in B. D. vorkommen, in Klammern gesetzt sind.

Bezüglich der Rectascension ist der Unterschied so gering (durchschnittlich −0ˢ.006), dass derselbe ganz ausser Betracht gelassen werden kann, was aber hinsichtlich der Declination nicht der Fall ist. Dass diese bei Kreis Ost durchgehends kleiner als bei Kreis West gefunden wird, dürfte vielleicht dem Umstand zuzuschreiben sein, dass die Libelle des Alhidadenkreises für jeden Anhaltstern umgelegt worden ist, hingegen aber für längere Reihen von Zonensternen unberührt stehen blieb, ohne dass hier jedoch auf dieses Verhältniss näher eingegangen werden soll.

Dass die Differenz der Declination O—W für die Stunden 11—20 durchgehends geringere Zahlenwerthe als für die übrigen Stunden zeigt, hat ohne Zweifel seinen Grund darin, dass die Beobachtung der ersteren in die warme Jahreszeit, diejenigen der übrigen dagegen in den Winter fiel. Bezüglich der letzteren ist die Differenz ohnehin fast constant, so dass ohne Bedenken für den ganzen Theil 21^h—10^h ein Mittelwerth angewandt werden kann. Dagegen ist für die Sommerstunden auffallend, dass der Zahlenwerth, nachdem er zunächst durch die Stunden 10, 11 und 12 abgenommen hat, wiederum steigt und in den Stunden 14 und 15 ein secundäres Maximum erreicht, um darauf in den nächstfolgenden Stunden abermals abzunehmen. Wenn es sich, wie oben angedeutet, so verhält, dass die Differenz O—W mit den Temperaturverhältnissen im Zusammenhang steht, so lässt sich diess in folgender Weise erklären. Von sämmtlichen Stunden sind 10^h, 11^h und 12^h zuerst erschöpft, theils weil diese Stunden verhältnissmässig sternarm sind, theils auch weil die Frühlingsmonate im ganzen für die astronomischen Beobachtungen in Christiania die günstigsten sind. In den folgenden Jahren sind die hellen Frühlingsnächte zur Beobachtung von Sternen in den folgenden Stunden der Rectascension, aber dann natürlich später in der Nacht, benutzt worden. Wenn daher der Sommerwerth der Differenz O—W im April und Mai sich allmählich zu erkennen gibt, so tritt diess am stärksten bei den Beobachtungen hervor, die früh abends gemacht wurden, wohingegen das Verhältniss später in der Nacht sich wieder demjenigen etwas nähert, welches im Winter stattfindet. Hieraus erklärt sich das Steigen des Zahlenwerths von O—W für die Stunden 13, 14 und 15. Für die zunächst folgenden Stunden, deren Beobachtung in die eigentlichen Sommermonate fällt, war man wegen der Dämmerung auf die Zeit um Mitternacht beschränkt. Zu dieser Zeit des Jahres jedoch ist das Sinken der Temperatur während der Nacht natürlich weit geringer als im Frühling, weshalb der Sommerwerth von O—W hier wieder deutlich hervortritt. Zur besseren Beleuchtung dieses Verhältnisses dient folgende Uebersicht über den durchschnittlichen Bruchtheil des Jahres, so wie sich derselbe in der Beobachtungs-Epoche ausgedrückt findet, nebst der entsprechenden durchschnittlichen Tageszeit für die Culmination der Mitte der Stunden 10—15.

R.A.	Jahreszeit	Tageszeit
$10^h.5$	0.246 = April 1	$9^h.8$
11.5	0.266 = April 8	10.4
12.5	0.294 = April 18	10.7
13.5	0.335 = Mai 3	10.7
14.5	0.356 = Mai 11	11.2
15.5	0.362 = Mai 13	12.1

Die Discontinuität, die bei der Reduction einer einseitigen Beobachtung auf $1/2$(O+W) entsteht, wenn man die Sommerstunden von den übrigen ausscheidet, ist nur von geringer Bedeutung, da die Correction für das Mittel von 3 Beobachtungen in der Combination 1,2 oder von 4 Beobachtungen in der Combination 1,3 beziehungsweise $1/3$ und $1/2$ der Correction für die einzelnen Beobachtungen, mithin beziehungsweise $1/6$ und $1/4$ der Differenz O—W wird. Da indessen dem Vorstehenden zufolge der Gang, welcher in O—W zum Vorschein kommt, Realität beanspruchen kann, sind folgende Gruppen gebildet worden, von denen die erste und die letzte zusammengehören.

Rectascension	Cat.-Nr.	O—W
$0^h\ 0^m$—$10^h 35^m$	1—1655	−1ˢ.12 ±0ˢ.024
10 35 —14 16	1656—2128	−0.40 ±0.054
14 16 —15 58	2129—2400	−1.00 ±0.075
15 59 —18 39	2401—2886	−0.35 ±0.051
18 39 —20 56	2887—3264	−0.83 ±0.063
20 56 — 0 0	3265—3949	−1.12 ±0.024

Die in der letzten Columne angegebenen Werthe sind bei der Reduction der unsymmetrischen Beobachtungen der Declination zur Verwendung gelangt, während für die Rectascension O—W = 0 gesetzt wurde.

In wie weit die Ursachen, welche die Differenz O—W hervorgerufen haben, in einer solchen Art und Weise gewirkt haben, dass die Wirkung auf den Mittelwerth der reducirten Declinationen durchschnittlich wegfällt, lässt sich im voraus nicht constatiren, und ist diess erst durch Vergleichung mit den Nachbarzonen zu entscheiden, wozu die im Programm festgesetzten gemeinschaftlichen Streifen Gelegenheit bieten werden.

Die geringe Anzahl Zonen in der unteren Culmination musste einer besonderen Untersuchung unterzogen werden, welche leicht zu bewerkstelligen war, da es allmählich gelungen ist, die allermeisten der in diesen Zonen beobachteten Sterne auch bei der oberen Culmination in derselben Kreislage zu beobachten. Für die Rectascension erwies sich die Reduction als verschwindend; für die Declination ergab sich, mit

Ausschluss der Zonen 96, 184 und 250 (worüber weiter unten), sowie der mit : bezeichneten Beobachtungen, als Mittel aus 125 Werthen:

Correction für untere Culmination $= -0''.54$.

Auch unter den Zonen in oberer Culmination waren einige, die einer besonderen Untersuchung bedurften, und zwar wegen gewisser Umstände, deren unter den Bemerkungen zu den im Jahre 1888 veröffentlichten Zonenbeobachtungen Erwähnung gethan ist, und welche in den meisten Fällen mit dem Verhalten der Alhidaden-Libelle in Verbindung stehen. Die Untersuchung, welche daher ausschliesslich die Declination betrifft, ist da, wo eine Correction hergeleitet wurde, durch Vergleichung mit anderen Zonen in derselben Kreislage, nöthigenfalls auch mit Zonen in entgegengesetzter Kreislage unter gehöriger Berücksichtigung der systematischen Differenz O—W ausgeführt worden. Das Ergebniss ist folgendes:

Zone 90. Corr. für Decl. $= +2''.36$, Gew. $1/2$
Zone 95. Corr. für Decl. $= +2''.33$, Gew. $1/2$
Zone 96. Nr. 1—20 Corr. für Decl. $= +2''.20$
Nr. 21—39 Corr. für Decl. $= +0''.98$
Zone 103. Nr. 20—33. Decl. Gew. $1/2$
Zone 165. Decl. ohne Rücksicht auf die Libelle berechnet, Gew. $1/2$
Zone 184, über welche in den „Bemerkungen" nichts Verdächtiges erwähnt ist, wurde besonders untersucht, weil dieselbe gelegentlich der Vergleichung der Zonen in der unteren Culmination, ebenso wie Zone 96, ein von den übrigen auffallend verschiedenes Verhalten zeigte; Corr. für Decl. $= +1''.00$
Zone 207. Corr. für Decl. $= +1''.24$, Gew. $1/2$
Zone 218. Nr. 3—17 Corr. für Decl. $= -1''.85$, die ganze Zone Gew. $1/2$ in Decl.
Zone 250. (U.C.) Decl. Gew. $1/2$
Zone 266. Decl. Gew. $1/2$.

Von den **Reserve-Zonen,** welche im Catalog mit einem vor die Nummer der Zone gesetzten R bezeichnet sind, haben R 5 und R 10 besonderer Unsicherheit wegen das Gew. $1/2$ in Declination erhalten.

Bezüglich der Gewichtsbestimmung der einzelnen Beobachtungen sei bemerkt, dass jede mit : bezeichnete Coordinate das Gew. $1/2$ erhalten hat; dasselbe gilt von den Rectascensionen, die nur auf 1 Faden, und den Declinationen, die nur auf 1 Nonius beruhen, ebenso von einigen Rectascensionen, die auf 2 Fäden gegründet sind, wenn diese ungewöhnlich schlecht stimmen. Hieraus ergaben sich die doppelten Epochen in der Mehrzahl der Fälle, wo der Catalog verschiedene Epochen für Rectascension und Declination angibt. Ausserdem ist bei einer geringen Anzahl von Beobachtungen (zusammen in 24 einzelnen Fällen) die eine Coordinate besonderer Unsicherheit oder Zweifels halber ganz ausser Betracht gelassen worden; bei einer etwas grösseren Anzahl, zusammen bei 71 Beobachtungen, wurde überhaupt nur eine Coordinate bestimmt. — Zone 201 Nr. 2 (Cat. Nr. 354) hat das Gewicht $1/2$ in Rect. erhalten, nachdem an die zwei ersten Fäden die Correction -1^s angebracht worden war.

Zur Beurtheilung der durchschnittlichen Unsicherheit der Coordinaten des Catalogs, insoweit diese mit systematischen Fehlern nicht behaftet sind, sollte man eigentlich den durchschnittlichen Zahlenwerth der Abweichung jeder einzelnen Beobachtung von der Mittelzahl suchen. Indessen kann auch die Differenz O—W zu diesem Zwecke benutzt werden.

Ist eine Coordinate mittels n' Beobachtungen in der einen Kreislage, welche die auf $1/2$ (O+W) reducirten Werthe a, b, c . . . liefern, und durch n'' ebenso reducirte Werthe p, q . . . in der anderen Kreislage bestimmt, so ist der Catalogwerth:

$$M = \frac{a+b+\ldots+p+q+\ldots}{n},$$

wenn $n = n' + n''$ ist. Ist nun

$$M = a+\Delta a = b+\Delta b = \ldots = p+\Delta p = \ldots,$$

wo mithin

$$\Delta a + \Delta b + \ldots \Delta p + \Delta q + \ldots = 0,$$

so ist die von dem systematischen Theil befreite Differenz zwischen O und W

$$\Delta = \frac{a+b+\ldots}{n'} - \frac{p+q+\ldots}{n''} = \frac{M-\Delta a + M-\Delta b + \ldots}{n'} - \frac{M-\Delta p + M-\Delta q + \ldots}{n''} = \frac{-\Delta a - \Delta b - \ldots}{n'} + \frac{\Delta p + \Delta q + \ldots}{n''}$$

$$= (\Delta p + \Delta q + \ldots)\left(\frac{1}{n'} + \frac{1}{n''}\right) = \frac{n}{n'\,n''}(\Delta p + \Delta q \ldots).$$

Für diejenigen Werthe von n' und n'', die in der That vorkommen, nämlich 1 oder 2 oder seltener 3 wird der durchschnittliche Zahlenwerth von $(\Delta p + \Delta q + \ldots)$ gleich dem durchschnittlichen Zahlenwerth von Δa, Δb, Δp u. s. w. werden, weil jeder gegebene Werth von Δp in einer grossen Anzahl von Fällen (d. i. für eine grosse Menge Sterne) mit so vielen verschiedenen — positiven und negativen — Werthen

von Δq zu combiniren sein wird, dass sie einander heben werden. Nur bezüglich der selten vorkommenden, d. i. der ausnahmsweise grossen Werthe von Δp wird diese Compensation nur unvollkommen werden, in solchen Fällen jedoch wird die Zulage $\Delta q + \ldots$ von relativ geringem Belange sein. Bezeichnet man mithin den durchschnittlichen Zahlenwerth dadurch, dass man die Grösse in ( ) einschliesst, so kann man setzen:

$$(\Delta a) = (\Delta b) = \ldots = (\Delta p) = (\Delta q) = \ldots = \frac{n' n''}{n} (\Delta).$$

Auf diese Weise können also die gesuchten Grössen (Δa) u. s. w. aus der gegebenen Grösse (Δ) gefunden werden. Man könnte nun den Werth von (Δ) für die Combinationen $n', n'' = 1{,}1$, $1{,}2$ und $2{,}2$, welche die Maasse der Beobachtungen ausmachen, besonders suchen. Für die Combination $1{,}2$ würde man dann wahrscheinlich einen etwas grössern Werth von (Δ) als für $1{,}1$ finden, weil es die stärker von einander abweichenden Bestimmungen sind, welche eine dritte Beobachtung erfordert haben, und die Differenz (Δ) durch dieselbe nur theilweise verringert wird; selbst wenn die Wiederholung auf die Kreislage fällt, wo sie am meisten erforderlich wäre, was sich nur bezüglich der halben Anzahl voraussetzen lässt, so trägt sie doch nur mit halber Kraft zur Verminderung von (Δ) bei. Auf diese Weise würde man mithin einen besondern Werth der durchschnittlichen Unsicherheit einer Coordinate erzielen, je nachdem dieselbe auf 2, 3 oder 4 Beobachtungen basirt ist.

Indessen lässt sich auch eine für unsern Zweck hinlängliche Schätzung durch eine mehr summarische Behandlung der Sache erzielen, indem man nämlich einen einzigen Werth von (Δ) berechnet und dann die durchschnittliche Abweichung vom Mittel unter der Voraussetzung sucht, dass im grossen und ganzen sehr nahe 3 (2.9) Beobachtungen auf jeden Stern kommen. Setzt man mithin $n' = 1$, $n'' = 2$, $n = 3$, so wird die wahrscheinliche Unsicherheit einer Coordinate im Catalog sein:

$$\varepsilon = 0.845 \cdot {}^2/_3 \cdot \frac{(\Delta)}{\sqrt{2}} = 0.282 \sqrt{2}\,(\Delta) = 0.40\,(\Delta).$$

Das Ergebniss wird übrigens fast das gleiche, wenn man die verschiedene Anzahl Beobachtungen in den beiden Kreislagen nicht berücksichtigt, indem man für $n' = n'' = 1$

$$\varepsilon = 0.845 \cdot {}^1/_2\,(\Delta) = 0.42\,(\Delta)$$

erhält.

Nun ist durchschnittlich für sämmtliche Sterne mit den bereits erwähnten Ausnahmen (im ganzen 3874):

in Rectascension $(\Delta) = 0^s.135$
in Declination $(\Delta) = 1''.36$,

daraus ergibt sich:

für Rectascension: $\varepsilon = \pm 0^s.054$

was im grössten Kreise an den Grenzen der Zone bezw. $\pm 0''.34$ und $\pm 0''.28$ entspricht, und

für Declination: $\varepsilon = \pm 0''.54$.

Die Vermehrung der durchschnittlichen Unsicherheit, welche durch die Unsicherheit des systematischen Theils der Differenz O—W entsteht, ist, soweit es sich überhaupt aus den Beobachtungen selbst schliessen lässt, ohne Bedeutung.

Im übrigen ist in Betreff des Catalogs nur noch Folgendes zu bemerken.

Die Praecession ist mittels Tab. I in Folie's *Douze tables pour le calcul des réductions stellaires* berechnet worden. Die Saecular-Variation ist einer Tabelle für die Zone 65°—70° entnommen, welche unter Zugrundelegung der Tafel XII in Oppolzer's *Lehrbuch zur Bahnbestimmung der Cometen und Planeten* Bd. I mit gehöriger Reduction auf Struve und auf 1875 berechnet worden ist. Da nämlich Oppolzer statt der Logarithmen die numerischen Werthe der von der Declination unabhängigen Grössen angibt, so konnte die Tabelle bequem mit Hülfe eines Thomas'schen Arithmometers aufgestellt werden.

Sowohl die Praecession als die Saecular-Variation ist nur einmal berechnet, deren Richtigkeit jedoch mittels Differenzen controlirt worden, indem jeder Stern sowohl mit dem vorhergehenden als dem nachfolgenden combinirt wurde. Hierbei bediente man sich einer kleinen Hülfstafel, deren Hauptbestandtheil eine einfache Function der Summe der Tangenten zweier Declinationen und eine noch einfachere Function von deren Differenz ist. Irgend welche Zeitersparniss wurde dadurch nicht erzielt; die Anzahl der zur Controlberechnung erforderlichen geschriebenen Ziffern ist ungefähr dieselbe wie bei der directen Berechnung (zwischen 50 und 60 für jeden Stern), die Methode hat aber den Vortheil, dass die Controle nicht allein die Berechnungen, sondern auch die benutzten Tabellen umfasst, was erwiesenermaassen seine Bedeutung hat.

Das dritte Glied der Praecession, das man für diese hohen Declinationen glaubte mitnehmen zu müssen, ist einer Tabelle für die Zone 65°—70° entnommen, welche von einem Studirenden mittels der Müller'schen Tafel in Publ. XIV der Astr. Ges. berechnet wurde.

Die Eigenbewegung ist, in den Fussnoten, für die bei Bradley vorkommenden Sterne nach Auwers' *Neuer Reduction der Bradley'schen Beobachtungen*, Bd. III, bezw. nach dem *Fundamental-Catalog*, sowie — mit dem Zusatz BB. VII zu dem aufgeführten Werth — für die von Argelander in Band VII der *Bonner Beobachtungen* untersuchten Sterne hinzugefügt worden. Ohne Zweifel wird die Vergleichung des Catalogs mit früheren eine merkbare Eigenbewegung für eine grössere Zahl von Sternen an den Tag bringen; von diesen ist indessen nur der Werth für Nr. 1288 und 1745 aufgeführt; der erstere wurde durch Vergleichung mit Lalande (Fedorenko) und Argelander erhalten, der zweite, der sehr beträchtlich ist, durch Vergleichung der Christiania-Beobachtungen unter sich und mit Argelander. Ferner ist E.B. ohne Angabe des Werthes bei einigen Sternen angemerkt, darunter fünf, die Argelander in einem an Fearnley gerichteten Schreiben vom 3. October 1874 als „unter meine neuen Sterne mit Eigenbewegung gehörig" angibt. — Die Eigenbewegung ist nirgends an die aus den Christiania-Beobachtungen abgeleiteten Coordinaten angebracht; während diese durchgehends vom Aequinoctium 1875.0 gerechnet sind, gelten also die Oerter der Sterne für die Epoche der Beobachtung. Dagegen ist bei der Berechnung der Praecession für 1875 in einigen wenigen Fällen, wo die Wirkung merkbar werden konnte, auf die Eigenbewegung Rücksicht genommen worden.

Für die Anhaltsterne sind sowohl die Coordinaten wie die Eigenbewegungen nach Astr. Ges. Publ. XIV angeführt worden. Für diese Sterne gelten also die Oerter für das Aequinoctium und die Epoche 1875.0.

Die im Catalog angegebenen Grössen sind, ausser für die Anhaltsterne, die Mittelwerthe aus den bei den Zonenbeobachtungen angestellten Schätzungen.

Die in der Columne „Zonen" aufgeführten Nummern 1—310 und R 1—R 12 sind diejenigen der eingangs genannten Veröffentlichung der Sternwarte Christiania. Die Zonen 1—307 und die zugezogenen angefangenen aber unvollständig gebliebenen Zonenstücke R 1—R 12 sind in den Jahren 1870—1881 beobachtet. Später wurden nachträglich noch, 1886-7, 22 Oerter von Zonensternen bestimmt und diese in den Catalog gleichfalls eingefügten Beobachtungen als Z. 308—310 gezählt.

Der Vollständigkeit wegen sei hier noch die Formel zugefügt:

$$\text{Red. auf } 1875 + t = (\text{Praec.} + \text{E.B.})\, t + \text{Var. saec.} \frac{t^2}{200} + 3.\text{Gl.} \left(\frac{t}{100}\right)^3$$

wo t in Jahren ausgedrückt ist.

Berichtigungen.

S. 14 Nr. 620 Grösse st. 9.0 l. 8.7
» 30 » 1419 » » 8.2 » 8.7
» 33 » 1584 » » 7.4 » 7.7
» 37 fehlt zwischen Nr. 1767 und 1768 der in die über 70° übergreifende Vergleichszone fallende Stern Nr. 162 des Fund.-Cat. (λ Draconis)
» 38 Nr. 1824 Grösse st. 8.7 l. 9.0
» 45 » 2172 » » 7.5 » 7.7
» 54 » 2618 » » 9.2 » 8.2
» 56 » 2722 » » 8.5 » 8.0
» 58 » 2805 » » 8.5 » 7.8
» 69 » 3363 » » 8.1 » 8.6
» 78 » 3817 » » 8.4 » 8.8

CATALOG.

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
1	8.0	$0^h\ 0^m\ 9^s.37$	+3ˢ.0747	+0ˢ.0818	+0ˢ.113	+ 69°28′ 24″.1	+20″.054	−0″.009	−0″.17	78.8 79.8	165 195 272 309	69° 1383
2	8.8	0 25.28	3.0777	0.0684	0.081	65 43 56.7	20.054	0.009	0.17	74.6 75.3	25 107 248 272	65 2001
3	8.7	0 34.72	3.0800	0.0712	0.087	66 34 39.4	20.054	0.010	0.17	71.9	31 110	66 1682
4	9.0	0 44.50	3.0828	0.0757	0.097	67 48 37.2	20.054	0.010	0.17	72.5	35 164	67 1601
5	9.0	0 52.04	3.0852	0.0788	0.104	68 36 6.2	20.054	0.010	0.17	74.0	166 170	68 1428
6	9.1	0 0 54.56	+3.0846	+0.0724	+0.089	+ 66 50 49.9	+20.054	−0.010	−0.17	72.4	29 161	66 1683
7	7.9	0 56.85	3.0862	0.0780	0.103	68 23 0.3	20.054	0.011	0.17	75.9	106 167 277	68 1429
8	9.2	1 50.08	3.0961	0.0695	0.082	65 48 26.8	20.054	0.012	0.17	71.9	25 110	65 2
9	8.2	2 6.21	3.1006	0.0723	0.088	66 35 59.9	20.053	0.013	0.17	72.4	29 165	66 1
10	8.1	2 20.33	3.1025	0.0696	0.082	65 45 37.1	20.053	0.013	0.17	77.3	35 164 309	65 3
11	9.0	0 2 25.71	+3.1044	+0.0712	+0.086	+ 66 13 24.7	+20.053	−0.013	−0.17	75.4 76.3	166 170 272	66 2
12	9.0	3 13.03	3.1222	0.0841	0.115	69 23 54.1	20.052	0.015	0.17	73.8	106 167 196	69 5
13	8.3	3 24.36	3.1149	0.0681	0.078	65 2 52.0	20.052	0.015	0.17	71.9	25 110	64 5
14	8.8	3 35.18	3.1206	0.0732	0.089	66 35 47.6	20.052	0.016	0.17	72.4 71.9	29 165	66 6
15	9.0	4 4.29	3.1267	0.0730	0.088	66 26 57.8	20.051	0.017	0.18	75.3	35 164 274	66 7
16	8.9	0 4 15.85	+3.1296	+0.0735	+0.089	+ 66 33 40.5	+20.051	−0.017	−0.18	76.3 76.7	165 170 272	66 8
17	8.8	4 27.64	3.1290	0.0697	0.081	65 23 1.3	20.050	0.018	0.18	71.9	25 110	65 10
18	8.9	4 30.08	3.1409	0.0838	0.113	69 5 4.7	20.050	0.018	0.18	75.8 76.2	106 167α 196 277	68 3
19	8.7	5 1.38	3.1375	0.0715	0.084	65 48 49.4	20.049	0.019	0.18	75.7	6 Beob. [1]	65 11
20	9.2	5 11.09	3.1463	0.0788	0.100	67 47 3.3	20.049	0.019	0.18	76.2	108 196 272	67 4
21	7.2	0 5 12.28	+3.1386	+0.0703	+0.082	+ 65 25 50.4	+20.049	−0.019	−0.18	75.4	161 170 249 R8	65 13
22	8.6	5 24.63	3.1493	0.0788	0.100	67 43 46.6	20.049	0.019	0.18	73.9	108 166 196	67 5
23	8.7	5 32.65	3.1426	0.0701	0.081	65 18 22.3	20.048	0.020	0.18	74.0	161 170	65 15
24	8.9	5 37.78	3.1453	0.0718	0.085	65 47 36.7	20.048	0.020	0.18	78.5	166 196 309	65 16
25	9.2	5 51.62	3.1464	0.0702	0.081	65 15 58.3	20.048	0.020	0.18	71.9	25 110	65 17
26	8.6	0 6 15.52	+3.1668	+0.0844	+0.113	+ 68 53 42.4	+20.047	−0.021	−0.18	76.1	106 195 272	68 6
27	8.0	6 26.64	3.1629	0.0785	0.099	67 28 36.4	20.046	0.021	0.18	73.5	108 170	67 6
28	8.6	6 27.64	3.1582	0.0742	0.089	66 19 29.2	20.046	0.021	0.18	74.6 74.7	29 165 249 R8	66 10
29	8.1	6 52.41	3.1684	0.0783	0.098	67 21 49.1	20.045	0.022	0.18	74.5 74.6	165 196 197	67 7
30	9.3	7 4.99	3.1619	0.0709	0.082	65 16 8.8	20.045	0.023	0.18	71.9	25 110	65 19
31	8.0	0 7 33.08	+3.1696	+0.0724	+0.085	+ 65 38 48.6	+20.043	−0.024	−0.18	72.4	29 164	65 21
32	7.6	7 38.15	3.1700	0.0720	0.084	65 30 33.5	20.043	0.024	0.18	74.7	35 164 249 R8	65 23
33	8.7	8 7.03	3.2000	0.0896	0.123	69 39 54.2	20.042	0.025	0.19	73.4	106 167	69 11
34	8.5	8 14.40	3.1798	0.0738	0.087	65 55 47.2	20.041	0.025	0.19	71.8	29 107	65 24
35	8.5	8 18.02	3.1781	0.0721	0.083	65 25 9.6	20.041	0.025	0.18	71.9	25 110	65 25
36	8.5	0 8 37.81	+3.2096	+0.0911	+0.127	+ 69 52 35.0	+20.040	−0.026	−0.19	75.9	106 170 274	69 12
37	9.1	9 22.81	3.1958	0.0752	0.089	66 7 40.1	20.037	0.028	0.19	73.2	35 164 196	66 12
38	8.4	9 37.71	3.1941	0.0723	0.083	65 15 36.9	20.037	0.028	0.19	75.6	5 Beob. [2]	65 27
39	8.9	9 46.01	3.1951	0.0719	0.082	65 7 50.5	20.036	0.028	0.19	74.9	29 110 274	65 28
40	8.8	10 37.41	3.2356	0.0895	0.120	69 13 48.2	20.033	0.030	0.19	77.1	106 167 272 277	69 13
41	8.2	0 11 5.85	+3.2321	+0.0839	+0.106	+ 67 58 2.2	+20.031	−0.031	−0.19	74.9	35 108 196 277	67 15
42	9.1	11 9.71	3.2305	0.0825	0.103	67 39 0.5	20.030	0.031	0.19	72.4	29 162	67 14
43	9.0	11 33.09	3.2220	0.0753	0.088	65 46 43.4	20.029	0.032	0.19	75.6	5 Beob. [3]	65 31
44	8.5	11 56.41	3.2429	0.0837	0.106	67 48 17.6	20.027	0.033	0.20	72.0	31 115	67 18
45	7.8	12 4.57	3.2442	0.0835	0.105	67 43 37.7	20.026	0.033	0.20	76.4	29 115 274 277	67 20
46	9.0	0 12 16.88	+3.2623	+0.0915	+0.123	+ 69 21 17.5	+20.025	−0.034	−0.20	75.2	68 108 272	69 14
47	7.9	12 31.48	3.2412	0.0792	0.095	66 37 45.8	20.024	0.034	0.20	74.8	25 110 274	66 15
48	8.8	12 54.28	3.2702	0.0911	0.122	69 11 33.3	20.022	0.035	0.20	73.4	106 170	69 15
49	8.9	13 7.45	3.2848	0.0969	0.136	70 12 18.9	20.021	0.036	0.20	76.6 75.8	5 Beob. [4]	70 8
50	7.3	13 24.80	3.2673	0.0864	0.110	68 9 9.7	20.020	0.036	0.20	72.0	35 115	68 14

[1] Z. 29 107 164 197 274 277 [2] Z. 25 107 249 272 R8 [3] Z. 25 107 249 272 R8
[4] Z. 68 108δ (α ausgeschlossen) 249 272 R8

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
51	8.1	$0^h\,14^m\,2^s.05$	+3ˢ.2647	+0ˢ.0815	+0ˢ.099	+ 66°58′14″.3	+20″.017	−0″.038	−0″.20	75.2	31 162 274	66° 19
52	7.0	14 27.42	3.2643	0.0791	0.093	66 18 42.3	20.014	0.038	0.20	74.0	162 170	66 20
53	9.0	14 44.22	3.2768	0.0831	0.102	67 12 57.9	20.013	0.039	0.20	72.0	35 115	67 26
54	6.9	14 46.80	3.2765	0.0827	0.101	67 7 44.3	20.013	0.039	0.20	77.1 [1]	106 167 272 278	67 27
55	8.3	14 48.13	3.2640	0.0772	0.089	65 46 13.5	20.012	0.039	0.20	72.8	29 107 196	65 39
56	9.2	0 14 48.26	+3.2583	+0.0747	+0.084	+ 65 6 54.6	+20.012	−0.039	−0.20	71.9	25 110	65 37
57	8.6	14 48.39	3.2612	0.0760	0.087	65 26 54.4	20.012	0.039	0.20	75.4	31 110 249 274	65 38
58	8.5	14 56.51	3.2658	0.0773	0.089	65 46 23.6	20.012	0.039	0.20	75.6	107 170 196 277	65 40
59	7.4	15 13.12	3.2693	0.0774	0.089	65 46 1.6	20.010	0.040	0.20	74.8 75.1	29 107 196 277	65 41
60	8.8	15 20.76	3.3091	0.0938	0.125	69 18 21.3	20.009	0.041	0.21	75.2	68 108 272	69 17
61	8.0	0 15 31.69	+3.2708	+0.0765	+0.087	+ 65 29 23.9	+20.008	−0.041	−0.20	73.5	110 170	65 43
62	8.8	15 47.22	3.2909	0.0836	0.102	67 10 35.0	20.007	0.042	0.20	72.6	35 106 167	67 30
63	8.5	16 40.16	3.2856	0.0773	0.088	65 31 7.3	20.001	0.043	0.20	71.9	31 107	65 48
64	8.7	16 57.65	3.3007	0.0819	0.097	66 36 19.8	19.999	0.044	0.20	72.4	25 162	66 26
65	8.7	17 5.26	3.3125	0.0859	0.106	67 29 7.1	19.999	0.045	0.21	75.0	35 115 274	67 31
66	8.0	0 17 12.19	+3.3373	+0.0951	+0.127	+ 69 16 39.6	+19.998	−0.045	−0.21	73.9	68 108 249	69 18
67	8.8	17 19.88	3.3131	0.0850	0.103	67 14 59.4	19.997	0.045	0.21	77.1	106 167 272 277	67 32
68	8.3	17 45.58	3.2953	0.0763	0.085	65 6 49.5	19.994	0.046	0.21	73.5 73.6	25 107 249	65 50
69	9.2	18 5.00	3.3296	0.0877	0.109	67 44 4.1	19.992	0.047	0.21	72.0	31 115	67 33
70	8.9	18 6.88	3.3350	0.0896	0.113	68 6 46.0	19.992	0.047	0.21	74.9	35 108 196 277	67 34
71	9.5	0 18 57.09	+3.3214	+0.0809	+0.094	+ 66 5 36.5	+19.986	−0.049	−0.21	73.8	110 196	65 52
72	9.0	18 58.63	3.3347	0.0856	0.103	67 9 12.8	19.986	0.049	0.21	75.2	68 108 272	67 36
73	9.0	19 4.02	3.3189	0.0796	0.091	65 45 24.7	19.985	0.049	0.21	72.4	31 162	65 53
74	8.5	19 21.87	3.3265	0.0811	0.094	66 4 7.1	19.983	0.050	0.21	71.5	25 29 110	65 54
75	8.7	19 37.92	3.3714	0.0959	0.126	69 4 22.5	19.981	0.051	0.22	77.2	106 167 274 278	68 22
76	9.2	0 19 48.56	+3.3420	+0.0847	+0.101	+ 66 50 8.3	+19.979	−0.051	−0.21	72.7	35 115 170	66 31
77	9.3	20 0.06	3.3269	0.0787	0.089	65 24 56.6	19.978	0.051	0.21	72.4	31 162	65 56
78	8.1	20 14.13	3.3249	0.0772	0.085	64 59 17.7	19.976	0.051	0.21	75.3	29 107 249 272	64 47
79	8.2	20 20.60	3.3314	0.0790	0.089	65 25 34.0	19.975	0.052	0.21	72.9 73.5	25 110 249	65 57
80	8.8	20 47.13	3.3755	0.0922	0.116	68 13 59.0	19.972	0.053	0.22	75.1	68 108 196 277	68 24
81	9.2	0 21 46.00	+3.3820	+0.0903	+0.110	+ 67 44 17.5	+19.964	−0.055	−0.22	72.6	29 107 170	67 40
82	8.7	21 56.20	3.3817	0.0895	0.109	67 34 2.9	19.962	0.056	0.22	72.0	31 115	67 41
83	8.3	22 36.49	3.4045	0.0943	0.119	68 22 59.2	19.957	0.057	0.23	72.9	35 108 196	68 26
84	9.1	23 20.48	3.3696	0.0808	0.090	65 25 59.5	19.950	0.059	0.22	74.8	29 107 274	65 64
85	9.0	23 32.21	3.4066	0.0914	0.112	67 42 42.5	19.949	0.059	0.22	72.0	31 115	67 45
86	7.1	0 23 48.37	+3.4352	+0.0993	+0.129	+ 69 5 47.3	+19.946	−0.060	−0.23	75.6 [2]	68 108 249 274	68 29
87	6.4	24 14.87	3.3868	0.0828	0.094	65 49 44.5	19.942	0.061	0.22	75.2 [3]	31 162 274	65 67
88	8.8	24 21.69	3.3780	0.0799	0.088	65 6 52.1	19.941	0.061	0.22	73.5	29 107 249	65 68
89	8.9	24 37.02	3.4385	0.0971	0.123	68 37 35.7	19.939	0.062	0.23	75.9	106 167 278	68 31
90	8.2	24 40.63	3.4158	0.0901	0.108	67 18 23.9	19.938	0.062	0.23	75.3	35 162 274	67 50
91	8.7	0 24 45.97	+3.4340	+0.0951	+0.119	+ 68 16 8.4	+19.937	−0.062	−0.23	78.6	162 272 278	68 32
92	8.1	24 50.44	3.4044	0.0861	0.100	66 28 12.2	19.937	0.062	0.22	75.2	29 162 278	66 35
93	8.8	24 51.63	3.4420	0.0973	0.124	68 37 24.1	19.936	0.063	0.23	75.4	106 167 170 278	68 33
94	6.5	25 53.01	3.4929	0.1088	0.149	70 17 30.5	19.926	0.066	0.24	76.1 [4]	106 167 249 274	70 24
95	7.4	27 1.33	3.4576	0.0942	0.115	67 47 51.3	19.915	0.068	0.24	75.3	35 162 278	67 54
96	6.5	0 27 9.08	+3.4282	+0.0856	+0.097	+ 66 3 37.4	+19.914	−0.068	−0.23	73.5 [5]	31 107 249	65 70
97	8.6	27 14.23	3.4797	0.0997	0.127	68 44 39.3	19.913	0.069	0.24	75.9	106 167 274	68 34
98	8.7	27 15.85	3.4287	0.0854	0.095	66 0 22.2	19.913	0.068	0.23	73.7 74.9	31 107 278	65 71
99	7.0	27 19.18	3.4437	0.0893	0.105	66 49 35.2	19.912	0.068	0.23	74.0	162 170	66 39
100	8.3	27 53.31	3.4961	0.1021	0.131	69 2 51.6	19.906	0.070	0.24	72.7	35 108 170	68 35

[1] E.B. −0ˢ.005 −0″.038 [2] E.B. +0ˢ.0423 −0″.136 (BB VII) [3] E.B. +0ˢ.014 −0″.018 [4] E.B. +0ˢ.002 −0″.004
[5] E.B. −0ˢ.0015 −0″.007

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
101	7.6[1]	0h 28m 16s.75	+3s.4644	+0s.0920	+0s.109	+ 67° 14′ 12″.0	+19″.902	−0″.071	−0″.24	74.8	25 110 274	67° 56
102	9.1	28 50.42	3.5358	0.1099	0.149	70 6 2.3	19.896	0.073	0.25	75.9	106 167 272	69 28
103	7.8	28 56.32	3.5108	0.1026	0.131	68 59 57.0	19.895	0.073	0.25	72.0	35 108	68 37
104	8.3	29 6.05	3.5041	0.1002	0.126	68 35 35.5	19.893	0.073	0.25	74.0	115 170 200	68 38
105	8.3	29 11.21	3.5358	0.1087	0.145	69 53 1.7	19.892	0.074	0.25	74.8	106 196 249	69 29
106	8.5	0 29 19.60	+3.4949	+0.0969	+0.119	+ 68 0 56.9	+19.890	−0.074	−0.24	71.9	31 108	67 57
107	9.2	29 29.96	3.4596	0.0871	0.098	66 6 24.6	19.888	0.073	0.24	73.1 72.9	29 107 162 199	65 76
108	9.3	29 33.59	3.4605	0.0872	0.098	66 6 42.5	19.888	0.073	0.24	73.1 72.9	29 107 162 199	
109	7.5	30 27.91	3.4889	0.0919	0.107	66 57 40.5	19.877	0.076	0.24	72.6	31 110 170	66 43
110	9.0	30 48.31	3.4956	0.0927	0.108	67 3 49.8	19.873	0.077	0.24	72.9	25 115 200	66 44
111	9.2	0 31 38.66	+3.5852	+0.1135	+0.153	+ 70 15 55.7	+19.863	−0.080	−0.26	76.0 76.1	106 167 249 274	70 30
112	9.2	31 57.18	3.5893	0.1135	0.153	70 14 3.3	19.860	0.081	0.26	76.6 76.1	106 167 249 274	70 31
113	8.2	32 1.58	3.4931	0.0887	0.100	66 7 52.9	19.859	0.079	0.24	74.9	25 115 200 278	66 48
114	8.6	32 16.06	3.4781	0.0844	0.091	65 11 29.4	19.856	0.080	0.24	75.1 74.9	29 107 229α 278	65 80
115	7.4	32 47.26	3.5966	0.1126	0.150	70 1 16.4	19.849	0.083	0.26	75.9	106 172 278	69 31
116	9.5	0 32 59.40	+3.4873	+0.0848	+0.092	+ 65 12 6.2	+19.847	−0.081	−0.24	76.8	107 274	— —
117	7.6	34 8.62	3.5014	0.0854	0.092	65 11 1.1	19.832	0.084	0.24	73.9	5 Beob. [2]	65 81
118	7.8	34 18.86	3.5442	0.0950	0.110	67 5 35.5	19.830	0.085	0.25	73.3	35 162 200	66 53
119	9.2[3]	34 21.23	3.5105	0.0870	0.095	65 30 29.4	19.829	0.085	0.25	76.2	110 170 249 274	65 82
120	5.9	34 37.63	3.5130	0.0869	0.094	65 27 42.9	19.826	0.085	0.25	73.3	31 162 R4	65 83
121	9.1	0 35 3.05	+3.5111	+0.0855	+0.091	+ 65 6 11.5	+19.820	−0.086	−0.25	72.9 72.6	31 107 170	64 70
122	8.9	35 3.71	3.6215	0.1117	0.145	69 38 55.1	19.820	0.089	0.27	73.8	108 196	69 33
123	7.9	35 7.70	3.5645	0.0977	0.115	67 28 38.8	19.819	0.088	0.26	75.3	35 162 278	67 62
124	8.8	35 9.91	3.6369	0.1152	0.154	70 6 19.9	19.819	0.090	0.27	73.9	115 198	69 34
125	9.0	36 9.19	3.6353	0.1117	0.144	69 32 32.7	19.805	0.092	0.27	73.9	115 196	69 38
126	7.0	0 36 17.01	+3.6557	+0.1164	+0.155	+ 70 8 19.5	+19.803	−0.093	−0.28	73.5	108 172	70 43
127	8.7	36 21.52	3.6483	0.1143	0.150	69 51 55.4	19.802	0.093	0.27	76.6	166 198 278	69 39
128	9.2	36 33.43	3.6450	0.1129	0.146	69 39 28.0	19.800	0.093	0.27	73.9	115 198	69 40
129	8.2	36 52.42	3.5613	0.0925	0.103	66 20 50.8	19.795	0.092	0.26	72.9	35 107 200	66 55
130	7.8	37 5.34	3.5766	0.0954	0.109	66 52 13.3	19.792	0.093	0.26	76.3	162 170 274	66 57
131	7.5	0 37 9.93	+3.5681	+0.0933	+0.105	+ 66 28 29.8	+19.791	−0.093	−0.26	73.9	110 170α 196	66 58
132	9.3	37 34.37	3.6599	0.1135	0.146	69 37 45.1	19.785	0.096	0.28	74.2	115 198 200	69 42
133	9.1	37 53.97	3.6311	0.1058	0.129	68 30 23.4	19.781	0.096	0.27	74.4	164 199	68 47
134	9.1	38 7.63	3.5537	0.0880	0.094	65 18 19.0	19.777	0.094	0.25	75.9	110 170 274	65 87
135	8.4	38 12.95	3.5996	0.0978	0.113	67 10 49.2	19.776	0.096	0.26	72.5	35 164	67 66
136	7.5	0 38 14.68	+3.5666	+0.0905	+0.099	+ 65 48 36.8	+19.776	−0.095	−0.26	74.3	162 196	65 88
137	6.7	38 49.74	3.6487	0.1074	0.132	68 38 28.0	19.767	0.098	0.27	76.3	164 172 278	68 49
138	9.0	38 53.13	3.5549	0.0866	0.091	64 56 3.1	19.766	0.096	0.26	73.8	107 196	64 78
139	9.4	39 4.07	3.6499	0.1070	0.131	68 33 45.8	19.764	0.099	0.27	76.3	115 199 278	68 50
140	8.9	39 17.06	3.6462	0.1056	0.125	68 19 48.8	19.760	0.099	0.27	74.4	164 198	68 52
141	9.0	0 39 22.35	+3.6341	+0.1027	+0.121	+ 67 51 46.4	+19.759	−0.099	−0.27	73.3	35 164 200	67 69
142	8.9	39 44.37	3.5954	0.0933	0.103	66 12 20.8	19.754	0.099	0.26	74.4	162 199	66 60
143	8.5	40 1.40	3.5958	0.0928	0.101	66 4 25.8	19.749	0.100	0.26	76.2	107 199 274	65 91
144	8.8	40 3.14	3.5944	0.0924	0.101	66 0 11.6	19.749	0.100	0.26	76.0	110 170 278	65 92
145	8.3	40 27.76	3.6793	0.1100	0.136	68 51 10.9	19.742	0.103	0.28	74.0 75.0	35 115 199 278	68 54
146	9.1	0 41 8.02	+3.6089	+0.0931	+0.101	+ 66 1 26.1	+19.732	−0.102	−0.26	74.3	162 170α 196	65 96
147	8.8	41 16.54	3.7007	0.1126	0.141	69 8 27.4	19.730	0.105	0.29	75.9	106 167 274	69 43
148	7.9	41 30.29	3.6619	0.1035	0.121	67 47 5.5	19.726	0.105	0.28	74.2	115 196 200	67 71
149	9.1	41 31.67	3.6367	0.0981	0.110	66 53 14.6	19.726	0.104	0.27	74.5 74.6	165 196 198	66 62
150	8.7	41 34.04	3.5982	0.0900	0.095	65 22 8.3	19.725	0.103	0.26	72.4	25 164	65 97

[1] Roth [2] Z. 31 110 199 229 R4 [3] 9m.6 praec. 2s A. 12″

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
151	8.8	$0^h\,41^m\,37^s.66$	+3ˢ.6363	+0ˢ.0978	+0ˢ.110	+ 66°49′ 22″.6	+19″.724	−0″.104	−0″.27	76.6 77.1	165 199 274	66° 63
152	7.6	41 41.76	3.7283	0.1176	0.151	69 45 36.3	19.723	0.107	0.29	74.6 [1]	106 172 198 249	69 45
153	6.7	42 3.85	3.7460	0.1206	0.158	70 5 32.1	19.717	0.108	0.30	76.0	106 172 278	69 46
154	8.0	43 43.93	3.7096	0.1084	0.129	68 18 21.7	19.690	0.111	0.29	73.0	35 115 200	68 56
155	7.9	43 45.63	3.6239	0.0908	0.095	65 17 59.6	19.690	0.109	0.27	73.9	25 164 249	65 101
156	8.3	0 43 47.04	+3.6674	+0.0995	+0.111	+ 66 53 57.6	+19.689	−0.110	−0.28	73.0 72.8	29 165 172	66 66
157	...[2]	44 51.25	3.7218	0.1083	0.128	68 11 8.5	19.671	0.114	0.29	75.0	35 115 274	68 57
158	8.3	44 53.77	3.6357	0.0909	0.095	65 12 43.3	19.671	0.112	0.27	72.4	25 164	65 103
159	7.1	45 21.87	3.7671	0.1166	0.145	69 16 31.5	19.663	0.116	0.30	73.9	106 167 200	69 50
160	9.0[3]	45 40.89	3.7243	0.1069	0.122	67 54 20.4	19.657	0.116	0.29	73.0	83 162	67 75
161	9.0	0 46 13.48	+3.6754	+0.0960	+0.103	+ 66 3 22.1	+19.648	−0.116	−0.28	72.6	31 110 164	65 105
162	7.0	46 18.92	3.6681	0.0944	0.100	65 45 21.5	19.646	0.116	0.28	72.6	25 107 170	65 106
163	9.1[4]	46 22.45	3.7498	0.1105	0.131	68 22 9.2	19.645	0.119	0.30	73.9 73.4	75 115 249	68 58
164	8.8	46 49.80	3.7018	0.1000	0.110	66 41 16.4	19.637	0.118	0.28	72.5	83 114	66 69
165	8.9	46 55.70	3.7199	0.1033	0.116	67 13 45.6	19.635	0.119	0.29	75.9	106 167 274	67 77
166	8.8	0 47 33.16	+3.7940	+0.1168	+0.143	+ 69 6 54.4	+19.624	−0.122	−0.31	75.3	75 115 274	69 53
167	9.0	47 40.62	3.6742	0.0930	0.096	65 21 33.4	19.622	0.119	0.28	73.9	83 113 249	65 108
168	8.9	48 11.63	3.7202	0.1007	0.110	66 41 55.8	19.612	0.121	0.29	73.9	114 198	66 71
169	8.4	48 25.53	3.6943	0.0953	0.100	65 44 4.8	19.608	0.121	0.28	73.9	114 199	65 110
170	8.3	48 28.41	3.8341	0.1228	0.155	69 46 32.3	19.607	0.126	0.32	75.6 75.9	75 165 278	69 54
171	8.9	0 48 30.18	+3.6844	+0.0932	+0.096	+ 65 21 14.6	+19.607	−0.121	−0.28	75.3	83 113 274	65 111
172	8.9	48 40.14	3.7126	0.0983	0.105	66 14 57.4	19.604	0.122	0.29	74.4	162 198	66 73
173	9.0	48 43.14	3.6920	0.0944	0.098	65 31 39.2	19.603	0.122	0.28	73.9	113 199	65 112
174	8.8	48 45.81	3.7844	0.1121	0.132	68 22 26.5	19.602	0.125	0.30	73.4	106 167	68 60
175	6	48 51.68	3.7759	0.1102	0.128	68 5 57.5	19.600	0.125	0.30	74.0	162 172	67 81
176	8.3	0 49 58.05	+3.7556	+0.1039	+0.115	+ 67 3 48.3	+19.579	−0.127	−0.30	74.4	162 198	66 74
177	6.8	50 0.01	3.8596	0.1243	0.156	69 49 10.5	19.579	0.130	0.32	73.3	75 115 200	69 55
178	8.6	50 6.73	3.7562	0.1037	0.114	67 1 15.1	19.577	0.127	0.30	74.4 74.6	165 172α 199	66 75
179	8.9	50 23.79	3.8462	0.1207	0.148	69 21 15.8	19.571	0.131	0.32	75.9	106 167 278	69 56
180	9.0	50 29.52	3.7097	0.0944	0.097	65 22 33.5	19.570	0.127	0.29	75.3	83 113 274	65 114
181	5.5	0 50 37.46	+3.7203	+0.0961	+0.100	+ 65 40 33.2	+19.567	−0.127	−0.29	73.9	114 199	65 115
182	8.4	50 41.96	3.7555	0.1024	0.111	66 45 49.2	19.566	0.129	0.30	73.9	114 199	66 79
183	8.8	51 9.51	3.8970	0.1291	0.165	70 15 37.6	19.557	0.134	0.33	73.3	75 115 198	70 63
184	8.4	51 9.78	3.8294	0.1156	0.137	68 38 54.5	19.557	0.132	0.31	76.6	162 198 278	68 61
185	8.4	51 9.85	3.8723	0.1241	0.154	69 41 48.0	19.557	0.133	0.32	73.7 73.9	106 167 200	69 59
186	8.7	0 51 52.45	+3.7335	+0.0962	+0.099	+ 65 35 44.8	+19.543	−0.131	−0.29	71.8 71.5	25δ 29 107	65 116
187	8.1	52 7.71	3.8438	0.1163	0.137	68 39 24.7	19.538	0.135	0.32	73.7	106 165 170 172	68 63
188	9.1	52 13.85	3.7606	0.1003	0.106	66 18 27.4	19.536	0.132	0.30	74.9	83 110 164 274	66 82
189	7.9	53 18.12	3.9119	0.1270	0.158	69 50 48.9	19.514	0.140	0.33	73.3	75 115 198	69 61
190	6.8	53 18.22	3.8620	0.1173	0.138	68 41 4.6	19.514	0.138	0.32	74.6	106 167 249	68 64
191	8.1	0 53 25.00	+3.7405	+0.0948	+0.096	+ 65 11 55.1	+19.512	−0.134	−0.29	74.8	25 107 278	65 120
192	9.1	53 27.46	3.7587	0.0979	0.101	65 45 49.1	19.511	0.135	0.30	72.9	29 110 200	65 122
193	8.3	53 34.29	3.8485	0.1142	0.131	68 15 6.0	19.509	0.138	0.32	76.0	113 170 278	68 66
194	8.1	53 46.41	3.7559	0.0969	0.099	65 33 1.3	19.505	0.136	0.30	73.2	31 113 164 200	65 123
195	9.2	53 54.44	3.9192	0.1270	0.157	69 48 3.4	19.502	0.141	0.33	74.0	115 165 167 200	69 62
196	8.1	0 53 55.77	+3.8439	+0.1126	+0.128	+ 68 0 20.3	+19.502	−0.139	−0.32	73.5	114 172	67 89
197	9.2	54 9.53	3.7563	0.0963	0.098	65 24 47.1	19.497	0.137	0.29	73.0	83 110 162	65 124
198	7.5	54 38.08	3.8761	0.1171	0.136	68 33 33.5	19.487	0.142	0.32	75.9 [5]	106 170 278	68 67
199	7.8	54 46.44	3.9255	0.1263	0.155	69 38 53.4	19.484	0.144	0.34	75.7	75 114 249 274	69 63
200	8.8	55 7.14	3.7967	0.1018	0.107	66 16 14.6	19.477	0.140	0.30	74.6	25 107 164 274	66 89

[1] Groombr. 145; E.B. [2] Dupl. 7.4 & 7.6 med.; 4″ 210° [3] Com. $9^m.2$ 12″ 40° [4] Com. $9^m.4$ 8″ 80°
[5] E.B. +0ˢ.0344 −0″.188 (BB VII)

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
201	8.6	$0^h 55^m 31^s.33$	+3ˢ.8007	+0ˢ.1017	+0ˢ.106	+ 66°14′ 10″.1	+19″.469	−0″.141	−0″.30	74.6	25 110 162 274	66° 90
202	8.4	55 39.26	3.9032	0.1201	0.141	68 51 0.7	19.466	0.145	0.33	74.9	35 113 198 278	68 68
203	8.9	55 58.03	3.9593	0.1301	0.162	69 58 37.2	19.459	0.148	0.34	73.0	75 115 172	69 65
204	7.7	57 0.42	3.9001	0.1167	0.133	68 19 7.2	19.437	0.148	0.33	75.4	35 113 249 274	68 17
205	8.3	57 11.55	3.9624	0.1279	0.155	69 38 53.7	19.433	0.151	0.34	72.5	75 114	69 68
206	6.8	0 57 50.46	+3.7981	+0.0974	+0.097	+ 65 18 2.3	+19.419	−0.147	−0.30	71.9 [1]	25 110	65 129
207	8.8	57 53.7 [1]	3.7962	0.0969	0.096	65 13 24.1	19.418	0.147	0.30	72.7 72.9	5 Beob. [2]	65 128
208	8.6	58 9.75	3.9214	0.1182	0.135	68 25 47.6	19.412	0.152	0.32	74.7	35 106 167 278	68 71
209	8.1	58 20.57	3.8206	0.1003	0.102	65 46 36.5	19.408	0.149	0.31	73.9	83 110 249	65 130
210	7.0	58 21.07	4.0107	0.1345	0.168	70 15 39.9	19.408	0.156	0.36	72.5	75 115	70 78
211	8.8	0 58 21.09	+3.9006	+0.1142	+0.127	+ 67 52 41.2	+19.408	−0.152	−0.33	76.0	113 170 278	67 95
212	9.2	58 23.72	3.9040	0.1147	0.128	67 56 44.8	19.407	0.152	0.33	73.8	106 198	67 96
213	8.2	58 38.06	3.9165	0.1165	0.131	68 9 46.1	19.401	0.153	0.33	76.2	106 198 274	68 72
214	8.5	59 50.26	3.9685	0.1234	0.144	68 56 21.9	19.375	0.158	0.34	73.0 72.8	83 113 167	68 73
215	8.3	1 0 2.97	3.8808	0.1076	0.113	66 48 53.1	19.370	0.155	0.32	71.8	25 107	66 94
216	7.5	1 0 6.92	+4.0254	+0.1333	+0.163	+ 70 0 45.2	+19.368	−0.161	−0.36	72.5	75 115	69 70
217	7.4	0 44.91	3.9855	0.1247	0.145	69 1 6.3	19.354	0.161	0.35	73.9	29 165 249	68 74
218	9.1	1 5.57	4.0526	0.1362	0.168	70 14 22.5	19.346	0.164	0.36	72.5	75 115	70 81
219	8.7	1 12.14	3.9889	0.1243	0.144	68 56 58.0	19.343	0.162	0.35	78.2	106 274 278	68 75
220	9.2	1 32.36	3.8544	0.1007	0.100	65 36 22.0	19.336	0.157	0.32	73.3 73.5	83 110 199	65 132
221	8.6	1 2 12.41	+3.8575	+0.1002	+0.099	+ 65 27 57.8	+19.320	−0.159	−0.32	73.5	29 110 249	65 134
222	5.5	2 13.59	3.9647	0.1181	0.131	68 6 45.8	19.320	0.163	0.34	72.5 [3]	75 115	68 77
223	8.6	2 15.20	3.8452	0.0981	0.095	65 6 21.9	19.319	0.159	0.31	75.6	83 110 249 274	65 135
224	8.9	2 16.61	3.8811	0.1039	0.105	66 4 36.7	19.318	0.160	0.32	73.9	106 199	65 136
225	6.7	2 25.93	3.9243	0.1109	0.117	67 6 44.6	19.315	0.162	0.33	75.3 75.6 [4]	35 165 278	67 98
226	8.7	1 3 22.00	+4.0082	+0.1231	+0.140	+ 68 41 54.6	+19.293	−0.168	−0.35	72.5	75 115	68 81
227	8.5	3 38.02	3.8656	0.0993	0.096	65 12 25.3	19.286	0.163	0.32	71.9	29 83 110	65 140
228	8.8	5 28.82	3.8786	0.0986	0.094	64 57 9.5	19.241	0.168	0.32	73.5	29 110 249	64 130
229	8.9	6 10.89	3.8915	0.0996	0.095	65 4 26.1	19.224	0.170	0.32	72.6	25 110 162	64 133
230	7.9	6 33.33	4.0671	0.1276	0.145	68 57 9.7	19.215	0.178	0.37	72.6	35 106 167	68 83
231	8.8	1 7 11.98	+4.1028	+0.1325	+0.153	+ 69 26 45.3	+19.198	−0.181	−0.38	75.0	75 114 172 278	69 77
232	8.8	7 19.79	4.1133	0.1341	0.156	69 36 0.2	19.195	0.182	0.38	72.3	75 83 115	69 78
233	9.3	7 46.51	4.0147	0.1166	0.123	67 32 16.1	19.184	0.179	0.32	73.0	114	— —
234	8.6	7 52.67	3.9272	0.1026	0.099	65 28 7.6	19.181	0.175	0.33	72.9	25 110 200	65 145
235	9.3	8 6.13	4.0419	0.1205	0.129	68 0 56.0	19.175	0.181	0.36	74.7 75.2	29 113 172 278	67 94
236	9.2 [5]	1 8 39.54 [6]	+4.0249	+0.1168	+0.122	+ 67 30 8.1	+19.161	−0.181	−0.35	73.6	83 162 166δ 198	67 96
237	9.0	8 45.38	4.0712	0.1242	0.136	68 25 13.3	19.159	0.184	0.34	74.9	75 106 167 278	68 86
238	8.9	9 22.02	4.1096	0.1295	0.145	68 59 9.0	19.143	0.187	0.38	74.6	106 167 249	68 89
239	7.1	9 46.83	4.0237	0.1148	0.118	67 9 25.2	19.132	0.184	0.35	72.9	29 114 200	67 98
240	8.3	10 24.81	3.9372	0.1005	0.093	64 56 51.6	19.115	0.182	0.33	73.9	113 199	64 144
241	8.7 [7]	1 10 34.11	+3.9613	+0.1039	+0.099	+ 65 29 55.1	+19.111	−0.183	−0.34	74.9	113 199 249	65 151
242	9.1	10 37.09	4.0342	0.1151	0.118	67 8 46.1	19.110	0.187	0.36	74.0	114 172 200	67 100
243	8.6	11 3.37	4.0962	0.1242	0.134	68 16 46.4	19.098	0.190	0.37	73.4	106 167	68 90
244	8.7	11 16.29	4.0151	0.1111	0.110	66 32 36.5	19.092	0.187	0.35	73.9	113 166 198	66 103
245	8.9	11 23.96	4.1095	0.1258	0.136	68 26 27.1	19.089	0.192	0.38	76.3	162 172 278	68 91
246	8.3	1 12 3.66	+4.0266	+0.1116	+0.110	+ 66 34 31.7	+19.071	−0.190	−0.35	73.9	113 166 198	66 105
247	9.2	12 17.76	4.0514	0.1151	0.116	67 2 34.3	19.065	0.191	0.36	76.2	114 199 274	66 106
248	8.4	12 20.40	4.1184	0.1256	0.135	68 21 37.8	19.064	0.195	0 38	75.9	106 167 278	68 93
249	7.6	12 44.80	4.0753	0.1181	0.121	67 24 46.0	19.052	0.194	0.37	74.4	162 198	67 105
250	8.4	12 58.79	4.1392	0.1279	0.138	68 34 49.1	19.046	0.197	0.38	74.3	162 172 200	68 94

[1] E.B. +0ˢ.0015 +0″.03 [2] Z. 31 83 107 162 164 [3] E.B. +0ˢ.0043 −0″.023 [4] E.B. +0ˢ.0414 −0″.015 (BB VII)
[5] Com. $9^m.4$ seq. $1^s.3$ B. $1^s.6$ [6] α Z. 166 ausgeschlossen [7] Einfach

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
251	9.0	1h 13m 4.s89	+4.s2082	+0.s1390	+0.s159	+ 69° 44′ 52.″0	+19.″043	−0.″200	−0.″40	73.5	106 172	69° 89
252	8.1	13 55.47	4.1165	0.1226	0.128	67 54 37.7	19.020	0.198	0.38	76.2 76.5	114 198 274	67 106
253	8.5	14 0.89	4.0012	0.1050	0.098	65 27 5.5	19.018	0.193	0.35	75.9	113 199 200 279	65 155
254	8.4	14 57.63	4.1069	0.1195	0.122	67 27 18.1	18.991	0.200	0.37	74.4	162 199	67 108
255	8.7	15 1.84	4.2351	0.1399	0.159	69 42 34.7	18.989	0.207	0.41	74.7	172 202 R4	69 92
256	8.8	1 15 4.45	+4.2395	+0.1405	+0.160	+ 69 46 8.5	+18.988	−0.207	−0.41	74.3	115 172 229	69 93
257	9.1	15 23.43	4.0797	0.1147	0.113	66 47 41.6	18.979	0.200	0.37	74.4	166 199	66 111
258	9.0	15 41.13	4.0512	0.1100	0.105	66 6 49.2	18.971	0.200	0.36	74.4	166 199	65 160
259	9.1	15 42.29	4.1632	0.1270	0.134	68 19 21.7	18.970	0.205	0.39	76.2	174 202 274 R4	68 101
260	**5.0**	**17 7.66**	**4.1368**	**0.1206**	**0.121**	**67 28 35.7**	**18.929**	**0.207**	**0.38**		**Fund. Cat.** [1]	**67 123**
261	9.0	1 17 22.24	+4.1692	+0.1252	+0.129	+ 68 1 1.4	+18.922	−0.209	−0.39	76.3	166 174 279	67 125
262	7.9	17 38.70	4.2757	0.1416	0.159	69 44 7.1	18.914	0.215	0.42	76.0	115 172 279	69 96
263	8.8	17 47.39	4.1360	0.1195	0.119	67 17 36.8	18.910	0.209	0.38	76.4	198 202 274 R4	67 127
264	8.3	18 8.49	4.0963	0.1131	0.108	66 25 2.5	18.900	0.208	0.37	76.3	166 175 279	66 114
265	8.2	18 11.68	4.1311	0.1181	0.116	67 5 52.6	18.898	0.210	0.38	76.2	174 202 274 R4	66 115
266	9.0	1 18 23.99	+4.0944	+0.1124	+0.106	+ 66 18 35.1	+18.892	−0.208	−0.37	75.4	199 229	— —
267	9.0	18 24.87	4.0952	0.1125	0.106	66 19 24.3	18.892	0.208	0.37	74.7	166 200 202 R4	66 116
268	8.4	18 44.76	4.0435	0.1046	0.094	65 7 17.6	18.882	0.207	0.36	74.6	162 199 200	65 163
269	8.8	19 0.32	4.1872	0.1253	0.128	67 56 28.8	18.874	0.214	0.39	77.0 77.2	5 Beob. [2]	67 128
270	6.3[3]	19 1.89	4.0606	0.1066	0.097	65 25 33.1	18.874	0.208	0.36	74.0	162 175	65 164
271	9.2	1 19 14.27	+4.1126	+0.1138	+0.108	+ 66 27 58.7	+18.868	−0.211	−0.37	74.0	162 172	66 118
272	8.6	19 29.90	4.1186	0.1143	0.108	66 31 16.6	18.860	0.212	0.37	75.5	83 166 198 278	66 119
273	8.5	19 53.86	4.3212	0.1447	0.162	69 54 49.0	18.848	0.223	0.43	74.7	172 202 R4	69 98
274	8.3	20 7.61	4.3495	0.1489	0.169	70 16 29.3	18.841	0.225	0.44	72.5	75 115	70 105
275	9.0	20 47.41	4.1330	0.1146	0.108	66 28 59.1	18.821	0.216	0.38	75.2	83 114 200 278	66 121
276	9.1	1 20 57.07	+4.3407	+0.1459	+0.163	+ 69 58 2.8	+18.816	−0.227	−0.43	72.5	75 115	69 99
277	8.5	21 43.15	4.3501	0.1460	0.162	69 56 15.4	18.793	0.230	0.43	73.3	75 115 198	69 100
278	8.5	21 43.68	4.1008	0.1087	0.098	65 35 36.0	18.793	0.217	0.37	72.4	79 113	65 173
279	6.2	21 57.37	4.3319	0.1427	0.156	69 37 12.9	18.786	0.229	0.43	73.9[4]	37 198 229	69 102
280	9.0	22 2.20	4.1888	0.1209	0.117	67 14 25.5	18.783	0.222	0.39	74.0	166 172	67 131
281	6.5	1 22 9.63	+4.0992	+0.1079	+0.096	+ 65 27 4.7	+18.779	−0.218	−0.37	76.3	162 174 274	65 175
282	8.9	22 24.36	4.1767	0.1186	0.113	66 55 44.0	18.772	0.222	0.39	76.3	166 174 278	66 122
283	9.3	22 34.62	4.0854	0.1055	0.092	65 3 2.6	18.766	0.218	0.36	73.3	79 114 199	64 174
284	7.3	23 19.38	4.3354	0.1409	0.151	69 22 27.3	18.743	0.233	0.43	75.0[5]	37 115 279	69 103
285	6.7	23 22.51	4.2359	0.1258	0.124	67 45 54.6	18.742	0.228	0.40	74.2	83 200 202 R4	67 133
286	8.0	1 23 33.77	+4.2128	+0.1221	+0.118	+ 67 18 57.1	+18.736	−0.227	−0.40	74.6	172 202	67 134
287	9.2	23 48.40	4.0987	0.1058	0.092	65 1 37.5	18.728	0.222	0.37	76.3	114 199 279	64 177
288	9.0	23 50.65	4.2736	0.1306	0.132	68 17 29.9	18.727	0.231	0.41	73.9	75 229	68 111
289	8.9	23 50.85	4.1778	0.1167	0.109	66 36 19.3	18.727	0.226	0.39	74.0	166 174	66 126
290	9.1	24 12.01	4.1074	0.1064	0.093	65 6 45.0	18.716	0.223	0.37	78.6	162 274 278	65 177
291	9.4	1 24 42.38	+4.1121	+0.1064	+0.092	+ 65 5 15.3	+18.700	−0.225	−0.37	78.5 78.9	199 274 278	[64 185]
292	8.1	25 8.75	4.2759	0.1289	0.128	68 2 19.6	18.686	0.234	0.41	74.0	166 174	67 135
293	7.7	25 21.16	4.2654	0.1271	0.124	67 49 6.5	18.680	0.234	0.41	75.6	83 162 279	67 137
294	8.9[6]	25 30.23	4.3590	0.1408	0.148	69 15 28.7	18.675	0.240	0.43	75.3	75 115 279	69 105
295	7.0	25 34.26	4.2977	0.1314	0.132	68 18 3.9	18.673	0.237	0.42	75.0[7]	172 229	68 113
296	8.9	1 26 3.77	+4.1312	+0.1073	+0.093	+ 65 9 20.0	+18.657	−0.229	−0.37	72.5	79 114	65 179
297	8.1	26 49.58	4.4040	0.1454	0.155	69 37 47.3	18.632	0.246	0.45	75.9	75 200 229 279	69 107
298	8.9	27 21.86	4.2615	0.1235	0.117	67 18 12.0	18.615	0.239	0.41	74.6	172 202	67 140
299	7.0	27 23.08	4.2428	0.1209	0.112	66 58 27.8	18.614	0.238	0.40	76.3	83 229 279	66 134
300	8.1	27 24.35	4.2603	0.1233	0.116	67 16 25.6	18.613	0.239	0.41	74.6	172 202	67 141

[1] E.B +0.s0111 +0.″009 [2] Z. 75 202 274 279 R4α [3] Roth [4] E.B. +0.s0258 −0.″071 [5] E.B. +0.s003 −0.″016
[6] Com. 9m.6 ca. 10″ austr. [7] E.B. −0.s0767 +0.″100 (BB VII)

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
301	7.8	1h 27m 24s.96	+4s.1683	+0s.1106	+0s.096	+ 65° 34′ 47″.5	+18″.613	−0″.234	−0″.38	72.5	79 114	65° 182
302	9.1	28 3.03	4.3176	0.1305	0.127	68 4 54.2	18.592	0.244	0.42	77.0	172 229 279	67 143
303	9.0	28 35.27	4.1864	0.1115	0.097	65 39 36.1	18.575	0.238	0.39	73.3	79 114 199	65 184
304	8.4	28 42.27	4.2584	0.1212	0.111	66 57 10.4	18.571	0.242	0.41	73.5	83 202	66 139
305	8.2	28 45.81	4.3745	0.1377	0.139	68 48 21.3	18.569	0.249	0.44	73.9	75 229	68 117
306	9.0	1 29 28.83	+4.1856	+0.1102	+0.094	+ 65 26 19.5	+18.545	−0.240	−0.39	72.5	79 114	65 185
307	8.2	29 53.73	4.2870	0.1235	0.114	67 10 58.4	18.531	0.247	0.41	76.0	75 202 279	67 145
308	9.0	30 59.18	4.3617	0.1324	0.128	68 9 16.9	18.494	0.254	0.43	74.2	75 198 229	68 121
309	7.0	32 20.70	4.2656	0.1172	0.103	66 17 1.9	18.448	0.252	0.40	76.0 [1]	83 202 279	66 145
310	7.8	32 27.29	4.2430	0.1141	0.098	65 51 17.7	18.444	0.251	0.40	72.5	79 114	65 193
311	8.8	1 32 31.10	+4.1971	+0.1080	+0.089	+ 64 58 20.8	+18.442	−0.248	−0.39	75.0	33 114 279	64 219
312	7.6	32 40.84	4.4044	0.1359	0.132	68 27 8.0	18.437	0.261	0.44	76.0	37 229 280	68 122
313	6.7	33 6.48	4.2678	0.1165	0.101	66 9 32.0	18.422	0.254	0.40	76.0	83 202 280	66 149
314	**6.0**	**33 6.53**	**4.3421**	**0.1265**	**0.116**	**67 24 34.5**	**18.422**	**0.258**	**0.42**		**Fund. Cat. [2]**	**67 149**
315	8.0	33 7.04	4.4883	0.1474	0.151	69 32 15.8	18.422	0.267	0.46	75.9 76.1	75 198 230 279	69 113
316	5.5	1 33 16.23	+4.5253	+0.1526	+0.160	+ 69 59 22.3	+18.416	−0.269	−0.48	75.9 76.5 [3]	75 198 230 279	69 114
317	8.9	33 34.26	4.2356	0.1118	0.094	65 28 28.0	18.406	0.253	0.40	73.3	79 114 200	65 194
318	8.4	33 37.22	4.4434	0.1400	0.138	68 49 40.9	18.404	0.265	0.45	73.3	75 83 229	68 123
319	8.7	34 9.01	4.2932	0.1186	0.103	66 22 54.1	18.386	0.258	0.41	73.0	33 202	66 151
320	9.0	34 15.33	4.3775	0.1298	0.120	67 43 52.9	18.382	0.263	0.43	76.2	79 229 274	67 151
321	7.8	1 35 3.04	+4.3372	+0.1233	+0.109	+ 66 55 57.1	+18.354	−0.263	−0.42	72.0	33 114	66 152
322	7.5	35 30.35	4.4726	0.1413	0.138	68 52 18.8	18.338	0.272	0.46	75.7 76.3	34 199 229 279	68 125
323	8.5	37 33.02	4.2708	0.1114	0.090	65 16 11.0	18.265	0.265	0.40	72.7	33 114 175	65 202
324	9.0	37 53.75	4.4405	0.1332	0.122	67 57 44.9	18.252	0.276	0.45	72.3	34 83 163	67 155
325	8.4	38 13.11	4.3881	0.1257	0.110	67 6 32.4	18.241	0.274	0.43	75.6	79 172 229 278	67 157
326	8.7	1 38 30.53	+4.5988	+0.1545	+0.157	+ 69 57 1.4	+18.230	−0.287	−0.49	73.3	75 163 174	69 118
327	8.3	38 46.03	4.3616	0.1215	0.103	66 34 45.6	18.221	0.274	0.42	73.6	33 198 202	66 156
328	9.1	39 51.48	4.3492	0.1186	0.098	66 9 39.3	18.181	0.276	0.42	73.3	33 174 202	66 159
329	9.2	40 9.12	4.3000	0.1120	0.089	65 15 27.7	18.170	0.273	0.41	73.3	79 114 198	65 205
330	8.8	40 21.05	4.3094	0.1130	0.090	65 22 58.0	18.162	0.274	0.41	75.0	75 114 175 278	65 206
331	8.2	1 40 23.95	+4.4105	+0.1257	+0.108	+ 67 1 59.7	+18.161	−0.281	−0.44	73.0	34 83 229	66 161
332	8.8	40 26.31	4.3259	0.1149	0.093	65 39 4.8	18.159	0.276	0.41	73.4	33 175 202	65 207
333	7.6	42 5.81	4.4798	0.1326	0.117	67 44 26.3	18.097	0.289	0.45	72.6	34 75 202	67 164
334	7.8	42 13.59	4.6681	0.1583	0.158	70 7 45.1	18.092	0.301	0.51	73.0	37 163 172	70 137
335	8.6	42 49.92	4.3645	0.1169	0.093	65 49 49.5	18.069	0.284	0.42	74.2	33 83 114 278	65 209
336	8.7	1 43 1.31	+4.4048	+0.1217	+0.100	+ 66 26 43.3	+18.062	−0.287	−0.43	73.7	79 174 202	66 166
337	8.6	43 32.65	4.6270	0.1504	0.143	69 25 21.7	18.042	0.302	0.50	75.2	75 163 172 279	69 121
338	8.2	43 33.65	4.4862	0.1314	0.113	67 33 54.8	18.041	0.293	0.46	74.9	34 79 229 279	67 165
339	7.2	44 37.52	4.5734	0.1415	0.128	68 33 55.4	18.001	0.302	0.48	76.0	37 229 280	68 134
340	8.2	44 51.57	4.3719	0.1154	0.090	65 33 46.3	17.992	0.289	0.42	75.0	33 114 279	65 210
341	7.1	1 45 0.78	+4.5023	+0.1316	+0.112	+ 67 32 1.7	+17.986	−0.298	−0.46	74.7	34 79 202 279	67 168
342	8.2	45 27.31	4.6919	0.1565	0.151	69 52 11.0	17.968	0.312	0.51	75.6	75 163 279	69 122
343	5	46 19.12	4.5581	0.1370	0.119	68 4 11.7	17.935	0.305	0.47	75.6 [4]	33 202 279	67 169
344	9.0	46 27.08	4.5369	0.1341	0.114	67 45 36.4	17.930	0.304	0.47	72.6 73.0	34 79 202	67 170
345	6.8 [5]	46 34.11	4.6833	0.1535	0.144	69 35 22.3	17.925	0.314	0.51	73.5	37 229	69 123
346	8.9	1 47 17.42	+4.7446	+0.1608	+0.155	+ 70 9 49.3	+17.897	−0.320	−0.53	75.6	75 163 280	70 145
347	8.6	47 47.29	4.7562	0.1616	0.156	70 12 43.7	17.877	0.322	0.53	75.6	75 163 280	70 146
348	9.1	47 49.63	4.7121	0.1554	0.146	69 42 59.3	17.875	0.319	0.51	76.0	83 201 279	69 125
349	8.7	48 24.63	4.6452	0.1455	0.130	68 49 54.3	17.852	0.316	0.50	73.4	34 229	68 137
350	8.5	48 26.50	4.7600	0.1611	0.154	70 9 4.6	17.851	0.324	0.53	75.2	75 163 174 280	70 149

[1] E.B. +0s.1128 −0″.257 (BB VII) [2] E.B. +0s.0067 −0″.005 [3] E.B. +0s.0133 +0″.003 [4] E.B. +0s.0003 −0″.013
[5] Gelbroth

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
351	7.7	1h 48m 31.s80	+4.s5758	+0.s1363	+0.s115	+ 67° 55′ 33.″8	+17.″847	−0.″312	−0.″48	76.0	37 229 280	67° 173
352	8.3	48 34.02	4.4321	0.1183	0.090	65 50 37.8	17.846	0.303	0.43	76.4	33 114 274 280	65 216
353	7.4	49 6.81	4.5136	0.1276	0.102	66 58 4.6	17.824	0.309	0.46	76.0	79 202 279	66 171
354	8.4	49 21.52[1]	4.6736	0.1479	0.132	69 1 17.8	17.814	0.321	0.50	75.7 75.6	34 201 274	68 140
355	8.4	49 24.43	4.4928	0.1247	0.098	66 36 59.0	17.812	0.309	0.45	76.3	79 229 279	66 173
356	9.2	1 49 39.28	+4.4472	+0.1189	+0.090	+ 65 52 56.6	+17.802	−0.306	−0.44	73.0	33 202	65 217
357	7.0	49 43.98	4.4844	0.1233	0.096	66 26 1.0	17.799	0.309	0.45	72.7	37 83 202	66 175
358	7.7	50 39.61	4.5186	0.1263	0.099	66 46 21.1	17.762	0.314	0.46	75.6	33 201 274	66 176
359	8.6	51 51.36	4.6372	0.1396	0.117	68 10 6.0	17.713	0.325	0.49	72.9	33 201	68 141
360	7.6	53 27.93	4.7251	0.1486	0.128	68 58 38.3	17.646	0.335	0.51	73.4	34 229	68 144
361	8.4	1 53 35.24	+4.7828	+0.1561	+0.139	+ 69 36 36.4	+17.641	−0.339	−0.53	73.0	37 201	69 129
362	7.7	53 48.28	4.6763	0.1419	0.118	68 20 32.2	17.632	0.332	0.50	73.0	33 202	68 145
363	8.6	54 56.81	4.6322	0.1349	0.107	67 36 19.9	17.584	0.332	0.48	73.0	34 202	67 180
364	8.1	55 27.72	4.6700	0.1389	0.112	68 0 11.0	17.563	0.336	0.50	73.4	34 229	67 181
365	9.1	55 31.18	4.6103	0.1315	0.101	67 13 33.9	17.560	0.332	0.48	78.3	114 274 279	[67 182]
366	8.7	1 55 34.62	+4.5995	+0.1301	+0.099	+ 67 4 21.1	+17.558	−0.332	−0.48	76.9	33 202 274 279	66 181
367	9.0	55 36.86	4.6006	0.1302	0.099	67 4 53.1	17.556	0.332	0.48	76.7 77.2	79 202 274 279	66 182
368	8.5	55 50.29	4.8755	0.1649	0.150	70 15 12.3	17.547	0.352	0.56	73.3	37 163 199	70 160
369	8.9	55 59.53	4.8419	0.1602	0.142	69 53 5.3	17.540	0.350	0.55	73.4	81 201	69 131
370	8.6	56 34.73	4.8603	0.1617	0.144	69 59 26.9	17.515	0.352	0.55	72.9	75 163	69 132
371	8.8[2]	1 56 51.45	+4.8033	+0.1538	+0.132	+ 69 20 43.9	+17.503	−0.349	−0.53	73.3	34 174 201	69 133
372	8.7	57 11.45	4.8767	0.1629	0.145	70 4 14.6	17.489	0.356	0.55	73.6	75 163 199	69 134
373	8.8	57 14.28	4.6169	0.1301	0.098	67 2 14.8	17.487	0.337	0.48	73.5	79 202	66 183
374	8.8	57 21.14	4.8428	0.1582	0.137	69 41 48.4	17.482	0.353	0.54	73.4	81 201	69 135
375	8.8	57 41.52	4.5040	0.1164	0.086	65 21 28.4	17.468	0.330	0.43	72.0	33 83 114	65 225
376	9.0	1 57 52.07	+4.5769	+0.1246	+0.097	+ 66 23 25.7	+17.460	−0.336	−0.44	73.0	75 81 202	66 185
377	8.2	57 57.36	4.8124	0.1534	0.138	69 16 59.6	17.456	0.353	0.53	72.9 72.6	34 79 201	69 136
378	8.9	58 32.86	4.8817	0.1615	0.141	69 55 46.8	17.431	0.360	0.55	73.0	37 163 174	69 138
379	8.5	59 25.35	4.6936	0.1365	0.104	67 40 57.8	17.393	0.348	0.50	72.6	34 79 201	67 185
380	9.2	59 48.21	4.5160	0.1155	0.083	65 11 16.8	17.376	0.336	0.42	72.0	33 83 114	65 229
381	9.0	2 1 43.05	+4.8280	+0.1500	+0.120	+ 68 54 37.8	+17.292	−0.364	−0.53	73.0	34 163 174	68 151
382	8.5	1 53.73	4.6299	0.1261	0.088	66 28 38.3	17.284	0.350	0.48	73.0	37 201	66 189
383	8.0	1 59.85	4.5908	0.1215	0.083	65 55 22.3	17.279	0.347	0.47	74.2	33 79 114 279	65 234
384	8.0[3]	3 4.44	4.8335	0.1487	0.117	68 46 39.0	17.231	0.368	0.53	72.4	34 163	68 153
385	8.0	4 23.23	4.7425	0.1361	0.098	67 32 20.6	17.172	0.365	0.51	73.0	34 163 174	67 189
386	7.3	2 4 25.83	+4.6341	+0.1237	+0.083	+ 66 8 30.7	+17.170	−0.357	−0.47	73.1	37 202	66 191
387	6.1	4 41.85	4.6220	0.1220	0.081	65 56 12.8	17.158	0.356	0.47		Fund. Cat.[4]	65 239
388	9.1	4 44.11	4.6271	0.1225	0.081	66 0 0.7	17.157	0.357	0.47	73.5	79 202	65 240
389	8.6	5 5.93	4.6247	0.1219	0.080	65 54 42.8	17.140	0.358	0.47	73.5	79 202	65 241
390	7.0	5 9.91	4.6126	0.1205	0.078	65 44 2.0	17.137	0.357	0.47	74.0	79 200 202	65 242
391	8.0	2 5 10.85	+4.7334	+0.1341	+0.095	+ 67 18 44.2	+17.136	−0.366	−0.50	73.5	83 201	67 190
392	6.8	5 30.77	4.7200	0.1321	0.092	67 5 48.5	17.121	0.366	0.50	75.6[5]	34 201 279	67 191
393	9.1	5 39.89	4.7045	0.1302	0.089	66 52 47.4	17.114	0.365	0.49	73.7 74.0	83 174 202	66 192
394	9.3	5 40.89	4.7215	0.1321	0.092	67 5 28.4	17.114	0.366	0.50	74.3	169 174 201	66 193
395	8.8	5 50.35	4.9797	0.1630	0.133	69 54 26.9	17.106	0.386	0.57	75.3	37 163 279	69 139
396	9.2	2 5 55.37	+4.6883	+0.1280	+0.087	+ 66 38 6.1	+17.103	−0.365	−0.49	76.0	79 202 279	66 196
397	7.2	6 43.73	4.7027	0.1287	0.087	66 41 59.5	17.066	0.367	0.49	73.6	37 200 201	66 198
398	8.7	7 26.83	4.7555	0.1338	0.092	67 15 11.6	17.033	0.373	0.51	73.0	34 163 174	67 192
399	7	8 30.44	4.5980	0.1153	0.070	65 0 53.4	16.983	0.364	0.46	72.0	33 114	64 314
400	8.5	9 33.79	4.6575	0.1205	0.075	65 41 13.6	16.934	0.371	0.47	72.9	33 114 200	65 247

[1] Z. 201 corr. (s. Einl.) [2] Einfach [3] Neblig? [4] E.B. −0.″0020 −0.″004 [5] E.B. +0.″0794 −0.″314 (BB VII)

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
401	9.1	$2^h\ 9^m 34^s.98$	+4ˢ.7457	+0ˢ.1302	+0ˢ.085	+ 66°49′40″.1	+16″.933	−0″.378	−0″.50	76.0	79 202 279	66°201
402	9.0	10 1.29	4.8301	0.1392	0.096	67 46 13.4	16.913	0.386	0.52	75.3	34 163 279	67 194
403	8.7	10 56.40	5.0423	0.1633	0.126	69 50 52.6	16.869	0.405	0.59	72.3 73.0	37α 83 163	69 142
404	7.9	11 7.49	4.6384	0.1169	0.069	65 11 38.4	16.861	0.374	0.47	74.7	33 114 175 280	65 248
405	9.1	11 15.44	4.7213	0.1256	0.079	66 16 54.0	16.854	0.380	0.49	74.0 74.4	83 169 229	66 203
406	9.0	2 11 20.52	+4.6536	+0.1183	+0.071	+ 65 22 17.7	+16.850	−0.375	−0.47	73.5	79 202	65 249
407	8.7	11 26.37	4.8647	0.1414	0.097	67 57 59.1	16.846	0.392	0.53	72.9	34 201	67 196
408	8.9	11 56.44	4.8229	0.1360	0.090	67 25 26.2	16.822	0.390	0.52	75.0	169 229	67 198
409	9.2	11 56.81	4.9087	0.1459	0.102	68 22 44.4	16.821	0.397	0.54	74.5	174 201	68 163
410	9.4	12 0.07	4.6493	0.1171	0.069	65 12 58.5	16.819	0.377	0.47	73.3 73.6	79 114 200	65 253
411	8.8	2 12 2.02	+4.9372	+0.1491	+0.106	+ 68 40 3.6	+16.817	−0.399	−0.55	75.0	174 230	68 164
412	8.5	12 10.89	4.8073	0.1340	0.087	67 12 31.8	16.810	0.389	0.51	78.6	169 279 280	67 200
413	8.9	12 15.73	4.8641	0.1403	0.095	67 50 56.8	16.806	0.394	0.53	77.0	175 229 280	67 199
414	7.7	12 19.76	5.0523	0.1625	0.123	69 46 6.4	16.803	0.409	0.59	74.0	163 174	69 144
415	9.1	12 27.31	4.9247	0.1471	0.103	68 28 53.7	16.797	0.400	0.55	74.5	174 201	68 165
416	7.3	2 12 27.50	+4.8973	+0.1439	+0.099	+ 68 11 18.1	+16.797	−0.398	−0.54	74.3	34 229 230	68 166
417	8.6[1]	12 35.71	4.7534	0.1276	0.080	66 29 52.3	16.791	0.386	0.50	75.2	33 175 202 279	66 205
418	8.5	12 45.40	5.0123	0.1570	0.115	69 19 56.5	16.783	0.407	0.57	74.0	163 174	69 145
419	8.7	12 53.30	4.7386	0.1257	0.077	66 16 17.0	16.776	0.386	0.49	73.3	79 114 200	66 206
420	8.0	14 55.67	4.7614	0.1259	0.075	66 16 26.9	16.678	0.393	0.50	75.0	33 114 279	66 208
421	8.8	2 14 59.40	+4.9105	+0.1422	+0.094	+ 67 59 59.4	+16.675	−0.405	−0.54	72.4	34 163	67 202
422	8.4	16 23.90	4.7542	0.1235	0.071	65 58 51.0	16.606	0.396	0.49	75.0	79 114 175 280	65 259
423	8.4	16 46.04	4.7450	0.1222	0.070	65 48 44.8	16.588	0.396	0.49	75.6	33 202 280	65 261
424	9.1	16 53.02	4.7178	0.1192	0.067	65 26 38.2	16.582	0.394	0.48	73.8	83 174 202	65 262
425	9.0	17 3.37	4.7424	0.1216	0.069	65 44 25.0	16.574	0.397	0.49	73.7 74.0	83 169 202	65 263
426	8.9	2 17 4.20	+4.9258	+0.1413	+0.090	+ 67 53 47.7	+16.573	−0.412	−0.54	75.3	34 163 280	67 205
427	9.0	17 46.91	4.9526	0.1434	0.092	68 5 31.0	16.538	0.416	0.55	73.6	37 200 201	68 168
428	8.8	18 15.97	5.1683	0.1678	0.121	70 6 19.0	16.514	0.435	0.62	73.3	81 163 174	70 177
429	**4.1**	**18 47.63**	**4.8513**	**0.1311**	**0.077**	**66 50 19.2**	**16.488**	**0.410**	**0.52**		**Fund. Cat. [2]**	**66 213**
430	8.5	18 50.21	4.7004	0.1155	0.061	64 56 28.0	16.486	0.397	0.47	72.9	33 202	64 328
431	8.6	2 19 18.04	+4.8596	+0.1314	+0.076	+ 66 52 10.8	+16.462	−0.412	−0.52	75.3 76.3	79 229 280	66 214
432	8.9	19 22.91	5.1542	0.1645	0.115	69 51 6.9[3]	16.458	0.436	0.61	75.2 76.6	34α 163 200 280	69 150
433	9.0	19 51.06	4.8645	0.1313	0.076	66 51 19.5	16.435	0.414	0.52	73.5	79 202	66 215
434	9.0	20 14.64	4.8830	0.1328	0.077	67 0 58.9	16.415	0.416	0.52	75.0	169 229	66 216
435	9.0	20 15.66	4.9745	0.1427	0.088	68 0 45.5	16.414	0.424	0.56	78.0	169 229 285 R12	67 208
436	8.8	2 20 43.30	+5.0873	+0.1548	+0.101	+ 69 4 51.2	+16.391	−0.434	−0.58	76.3 75.4	83 230 280	68 171
437	8.9	20 50.70	5.1985	0.1676	0.117	70 4 20.3	16.385	0.444	0.62	77.0	81 163 285 R12	69 153
438	8.5	21 8.81	4.9713	0.1413	0.086	67 52 11.0	16.370	0.426	0.55	77.0	33 202 285 R12	67 209
439	8.2	21 10.63	5.1627	0.1629	0.111	69 43 10.5	16.368	0.442	0.61	73.4	81 201	69 155
440	7.9	21 25.40	5.1493	0.1610	0.108	69 34 17.4	16.356	0.442	0.60	75.7	83 200 201 280	69 157
441	7.9	2 22 11.67	+5.1688	+0.1622	+0.108	+ 69 39 28.4	+16.317	−0.445	−0.61	75.6	37 201 279	69 158
442	9.0	22 51.77	5.2271	0.1681	0.114	70 5 26.1	16,283	0.452	0.62	73.0	81 163	70 184
443	8.5	22 57.98	4.9388	0.1356	0.077	67 17 44.7	16.277	0.428	0.54	73.0	33 202	67 210
444	8.5	23 37.53	5.0807	0.1502	0.092	68 40 31.2	16.243	0.441	0.58	75.0	174 230	68 173
445	7.7	23 52.13	4.9099	0.1316	0.072	66 51 46.0	16.231	0.428	0.53	73.4	33 229	66 219
446	8.2	2 23 56.63	+5.2412	+0.1681	+0.113	+ 70 5 24.7	+16.227	−0.456	−0.63	73.0	81 163	70 189
447	8.0	24 7.42	4.9422	0.1347	0.075	67 11 27.3	16.218	0.431	0.54	75.0	175 231	67 212
448	8.0	24 16.84	5.0621	0.1473	0.088	68 25 0.4	16.210	0.442	0.57	75.0	174 230	68 174
449	8.6	24 17.96	5.1367	0.1556	0.097	69 7 36.8	16.209	0.448	0.59	77.0	174 230 280	69 161
450	9.0	24 29.75	4.9038	0.1302	0.070	66 42 59.2	16.199	0.428	0.52	77.0	175 231 280	66 221

[1] Var.? [2] Trpl.; E.B. −0ˢ.0046 0ˢ.000 [3] δ Z. 34 ausgeschlossen

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
451	9.4	$2^h 24^m 37^s.89$	+5ˢ.2632	+0ˢ.1697	+0ˢ.114	+ 70° 12′ 0″.4	+16″.192	−0″.460	−0″.63	76.3 75.4	163 174 280	70° 191
452	8.7	24 40.61	5.2661	0.1700	0.114	70 13 8.0	16.189	0.460	0.63	73.0	81 163	70 192
453	7.0	24 56.58	4.8062	0.1199	0.060	65 29 52.0	16.176	0.421	0.50	74.0	84 229	65 272
454	7.1	25 5.33	5.0121	0.1409	0.080	67 48 59.7	16.168	0.439	0.55	75.0	175 231	67 215
455	8.9	25 17.02	4.8315	0.1220	0.061	65 45 57.8	16.158	0.425	0.50	75.0	175 229	65 274
456	7.7	2 25 48.78	+4.9402	+0.1325	+0.071	+ 66 57 41.0	+16.130	−0.435	−0.53	74.1	84 231	66 223
457	8.6	26 15.81	4.7754	0.1156	0.055	64 56 12.6	16.107	0.422	0.49	74.2	33 175 229	64 335
458	9.0	26 43.84	5.2128	0.1609	0.100	69 32 20.2	16.083	0.461	0.61	75.6	81 163 280	69 166
459	7.8	26 44.48	5.1009	0.1484	0.086	68 30 33.1	16.082	0.451	0.58	77.0	174 230 280	68 176
460	6.3[1]	27 25.03	4.8075	0.1175	0.055	65 11 53.0	16.047	0.427	0.49	74.0	84 229	65 280
461	7.7	2 27 46.30	+5.0135	+0.1379	+0.074	+ 67 30 51.6	+16.028	−0.446	−0.55	75.0	174 231	67 217
462	7.6[2]	27 57.02	5.1415	0.1513	0.088	68 45 28.6	16.019	0.458	0.59	73.0	81 163	68 177
463	9.0	28 53.69	4.9900	0.1342	0.069	67 8 1.3	15.969	0.447	0.54	74.0	81 231	67 219
464	8.5	29 3.61	4.8032	0.1155	0.052	64 56 10.0	15.960	0.431	0.49	73.6	33 175 229	64 340
465	9.0	29 9.47	5.1301	0.1485	0.083	68 30 54.1	15.955	0.460	0.58	75.7	34 200 230 279	68 179
466	9.0	2 30 16.11	+5.1417	+0.1484	+0.082	+ 68 30 4.2	+15.896	−0.464	−0.58	74.0	34 200 230	68 181
467	7.3	30 32.47	5.2178	0.1563	0.089	69 10 7.0	15.881	0.471	0.61	72.9	77 163	69 171
468	9.0	30 45.92	4.8337	0.1168	0.053	65 6 21.0	15.869	0.438	0.48	74.0 74.4	79 200 202	} 65 284
469	8.9	30 47.01	4.8338	0.1168	0.053	65 6 19.3	15.868	0.438	0.48	74.0	169	
470	8.2	31 3.16	5.0915	0.1421	0.074	67 55 45.4	15.854	0.461	0.57	75.0	174 231	67 221
471	8.6	2 31 35.54	+4.9790	+0.1300	+0.062	+ 66 41 56.4	+15.825	−0.453	−0.53	73.9	79 229	66 227
472	7.4	31 39.74	5.0582	0.1380	0.070	67 31 33.2	15.821	0.460	0.56	78.0[3]	5 Beob. [4]	67 222
473	9.0	31 41.55	4.8615	0.1185	0.052	65 20 2.6	15.819	0.442	0.50	75.0	175 231	65 286
474	8.7	32 5.22	5.2940	0.1626	0.094	69 39 44.2	15.798	0.482	0.63	73.0	81 163	69 173
475	8.5	32 36.57	5.2269	0.1545	0.085	69 1 38.9	15.770	0.478	0.61	76.3 75.7	5 Beob. [5]	68 184
476	8.8	2 32 38.91	+5.1288	+0.1441	+0.074	+ 68 6 57.2	+15.768	−0.468	−0.58	78.0	174 232 280 285	68 185
477	9.2	32 55.16	5.2319	0.1547	0.084	69 2 19.4	15.753	0.479	0.61	78.5	230 285	68 186
478	8.4	33 26.47	5.2387	0.1547	0.084	69 2 38.4	15.725	0.481	0.61	77.0 76.3	4 Beob. [6]	68 188
479	8.1	33 34.70	5.1390	0.1440	0.073	68 6 41.7	15.718	0.472	0.58	76.3	174 175 232 285	68 189
480	**6.4**	**34 5.97**	**5.0621**	**0.1356**	**0.064**	**67 17 29.5**	**15.689**	**0.467**	**0.55**		**Fund. Cat. [7]**	**67 224**
481	8.8	2 34 45.53	+5.1509	+0.1438	+0.071	+ 68 5 51.0	+15.653	−0.476	−0.58	75.5	200 232	68 190
482	8.7	34 54.44	5.3346	0.1631	0.090	69 42 36.4	15.645	0.493	0.63	74.0	81 230	69 175
483	9.1	35 5.45	5.2287	0.1515	0.078	68 46 54.2	15.635	0.484	0.60	75.0	174 232	68 191
484	8.7	35 14.76	5.0731	0.1354	0.063	67 16 36.6	15.627	0.471	0.54	75.5	200 231	67 226
485	8.7	35 34.33	4.8885	0.1173	0.047	65 11 40.5	15.609	0.454	0.50	77.0	175 231 281	65 289
486	9.2	2 36 45.62	+4.9112	+0.1182	+0.047	+ 65 19 32.2	+15.543	−0.459	−0.51	75.0	174 229	65 290
487	8.5	36 47.68	4.9003	0.1172	0.046	65 11 35.4	15.541	0.458	0.50	73.4	33 229	65 291
488	9.1	36 57.97	5.3589	0.1629	0.087	69 42 9.0	15.532	0.501	0.64	74.0	77 230	69 177
489	6.5	37 41.19	5.2963	0.1553	0.078	69 6 23.2	15.492	0.497	0.62	76.3[8]	81 232 280	69 179
490	9.0	37 41.26	5.2100	0.1463	0.070	68 20 24.4	15.492	0.489	0.59	81.0	280 285	68 193
491	7.9	2 37 49.68	+5.4029	+0.1665	+0.089	+ 69 58 16.4	+15.484	−0.507	−0.65	74.0	77 230	69 180
492	8.5	38 6.66	5.0607	0.1310	0.056	66 49 57.7	15.468	0.476	0.55	73.0	33 202	66 232
493	9.2	38 50.73	5.3386	0.1583	0.079	69 20 54.6	15.427	0.504	0.63	76.3	81 230 281	69 181
494	7.7	38 54.90	5.4160	0.1664	0.087	69 58 5.7	15.423	0.511	0.65	72.9	77 163	69 182
495	8.6	39 17.84	5.0334	0.1271	0.051	66 24 49.5	15.402	0.477	0.53	75.6	33 202 281	66 233
496	9.0	2 39 27.53	+5.2972	+0.1531	+0.073	+ 68 56 7.4	+15.393	−0.502	−0.61	75.0	169 231	68 197
497	8.5	40 7.07	5.2341	0.1458	0.066	68 18 33.1	15.356	0.497	0.59	76.3	77 232 280	68 199
498	8.7	40 40.27	5.1333	0.1352	0.056	67 17 39.7	15.325	0.489	0.56	76.4	84 229 285	67 230
499	9.2	40 48.00	5.1184	0.1336	0.055	67 8 0.4	15.317	0.488	0.56	75.0	169 231	67 231
500	6.3	40 51.20	5.2489	0.1464	0.065	68 22 6.4	15.314	0.501	0.59	74.0[9]	81 232	68 200

[1] Röthlich [2] Einfach [3] E.B. −0ˢ.0063 −0″.009 [4] Z. 34 232 279 285 R 12
[5] Z. 81 174 230 280 R 12 α (δ ausgeschlossen) [6] Z. 81 230 280 R 12 α (δ ausgeschlossen) [7] E.B. +0ˢ.0002 −0″.039
[8] E.B. −0ˢ.0022 +0″.015 [9] E.B. −0ˢ.0017 −0″.011

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
501	8.6	$2^h 41^m 33^s.74$	+5ˢ.3632	+0ˢ.1572	+0ˢ.074	+ 69°17′ 8″.4	+15″.274	−0″.513	−0″.63	74.0	77 230	69° 184
502	6.9	41 40.18	4.9409	0.1162	0.040	65 6 55.2	15.268	0.474	0.51	73.7	39 169 229	65 300
503	9.2	42 18.01	5.2501	0.1448	0.062	68 14 1.7	15.232	0.505	0.59	76.3	81 231 280	68 201
504	9.0	42 32.51	5.2922	0.1487	0.065	68 35 5.6	15.219	0.509	0.60	74.7 74.4	77 230 232	68 202
505	8.5	43 36.35	5.0101	0.1205	0.042	65 41 23.5	15.158	0.485	0.53	76.0	39 229 280	65 304
506	9.0	2 44 24.86	+5.1071	+0.1286	+0.047	+ 66 38 18.4	+15.111	−0.496	−0.55	75.0	169 231	66 236
507	9.2	44 28.46	5.1732	0.1348	0.051	67 17 31.2	15.108	0.503	0.57	74.0	81 231	67 233
508	8.8	44 45.89	5.3033	0.1471	0.061	68 27 47.7	15.091	0.516	0.60	77.5	77 230 280 285	68 206
509	8.9	44 47.09	5.0368	0.1218	0.041	65 51 23.9	15.090	0.490	0.53	76.0	39 229 281	65 305
510	7.5	45 29.05	4.9931	0.1172	0.037	65 17 47.5	15.050	0.488	0.51	74.0	84 229	65 306
511	8.1	2 45 35.23	+5.2967	+0.1454	+0.058	+ 68 19 31.6	+15.044	−0.517	−0.60	76.3	81 232 281	68 208
512	7.3	45 51.43	5.2273	0.1384	0.052	67 40 4.0	15.028	0.511	0.58	73.6	39 231	67 234
513	8.6	46 30.42	5.5264	0.1676	0.075	70 6 22.9	14.990	0.542	0.67	76.4	81 230 285	70 216
514	9.2[1]	46 40.11	5.2757	0.1421	0.054	68 1 55.7	14.981	0.518	0.59	75.0	169 231	67 235
515	7.2[2]	46 44.11	5.3513	0.1494	0.060	68 41 18.9	14.977	0.525	0.61	74.0	77 232	68 209
516	9.3	2 46 59.82	+5.3535	+0.1493	+0.059	+ 68 40 56.8	+14.962	−0.526	−0.61	76.3	77 232 280	68 210
517	8.8	48 6.42	5.2217	0.1353	0.047	67 23 33.6	14.897	0.516	0.57	77.5	81 231 280 285	67 236
518	8.8	48 15.27	5.1913	0.1323	0.045	67 5 13.5	14.888	0.514	0.56	74.9 75.4	84α 169 232 233	67 237
519	9.2	48 19.76	5.3675	0.1490	0.057	68 40 31.5	14.884	0.531	0.61	74.0	77 232	68 211
520	8.8	48 20.69	5.0505	0.1195	0.036	65 37 48.5	14.883	0.500	0.52	76.0	39 229 285	65 308
521	7.8	2 48 47.36	+5.4115	+0.1528	+0.059	+ 68 59 57.2	+14.857	−0.536	−0.63	74.0	81 230	68 212
522	8.8	49 21.77	5.3191	0.1431	0.051	68 9 38.6	14.823	0.529	0.60	74.7	77 232 233	68 213
523	9.2	49 45.40	5.1007	0.1225	0.036	66 1 22.0	14.800	0.508	0.53	73.5	39 229	65 311
524	9.2	50 27.29	5.1126	0.1229	0.036	66 4 34.9	14.759	0.511	0.53	75.0	169 229	65 313
525	8.2	51 8.37	5.4050	0.1492	0.053	68 43 45.4	14.718	0.542	0.62	76.0	39 232 280	68 214
526	8.6	2 51 49.54	+5.4937	+0.1571	+0.058	+ 69 22 53.2	+14.677	−0.552	−0.64	76.3	77 230 280	69 190
527	8.5	51 54.30	5.5983	0.1675	0.066	70 9 37.7	14.672	0.563	0.67	77.5	77 230 280 285	70 219
528	8.6	52 34.09	5.3370	0.1410	0.045	68 1 2.7	14.633	0.538	0.59	73.7	39 169 231	67 239
529	8.9	52 43.52	5.2667	0.1343	0.041	67 22 7.1	14.623	0.531	0.57	74.6	81 229 233	67 240
530	8.8	53 37.90	5.3511	0.1411	0.044	68 2 36.1	14.569	0.542	0.59	75.0	169 231	67 242
531	9.4	2 53 48.36	+5.6063	+0.1657	+0.061	+ 70 3 24.5	+14.559	−0.568	−0.67	74.0	81 230	69 195
532	9.4	53 57.29	5.6154	0.1664	0.061	70 6 36.3	14.550	0.570	0.67	76.3	77 230 232 285	70 221
533	8.1	54 32.14	5.0561	0.1141	0.026	65 3 34.4	14.515	0.515	0.51	74.4	39 229 233	64 365
534	7.8	55 23.50	5.0560	0.1133	0.025	64 58 23.6	14.463	0.517	0.51	76.0	39 229 233 285	64 367
535	8.0	55 43.84	5.2491	0.1295	0.033	66 55 14.7	14.442	0.537	0.56	74.0	81 169 231	66 242
536	7.9	2 55 46.53	+5.5851	+0.1609	+0.054	+ 69 44 7.4	+14.439	−0.571	−0.66	76.3	77 230 280	69 196
537	8.8	56 36.27	5.2758	0.1309	0.033	67 5 24.0	14.389	0.542	0.57	76.1	39 232 233 285	67 244
538	7.7	57 35.12	5.5465	0.1547	0.047	69 17 30.1	14.329	0.572	0.64	76.3	77 230 280	69 199
539	7.9	58 2.81	5.2210	0.1246	0.028	66 26 2.2	14.301	0.540	0.55	77.0	169 229 285	66 244
540	8.1	58 46.20	5.1825	0.1206	0.025	65 58 59.3	14.256	0.538	0.54	76.1	39 231 285	65 322
541	8.7	2 58 46.81	+5.3857	+0.1383	+0.035	+ 67 52 50.5	+14.256	−0.559	−0.59	74.7	81 230 233	67 246
542	8.9	58 48.79	5.4259	0.1419	0.037	68 13 11.6	14.254	0.563	0.60	76.3	77 232 280	68 220
543	8.8	59 0.70	5.2480	0.1260	0.027	66 36 21.2	14.241	0.545	0.55	77.0	169 231 285	66 245
544	8.7	59 29.54	5.1193	0.1147	0.021	65 15 36.9	14.212	0.533	0.52	75.0	169 229	65 323
545	8.6	3 0 12.74	5.4027	0.1382	0.033	67 54 5.2	14.167	0.564	0.59	74.7	77 232 233	67 248
546	8.2	3 0 25.76	+5.1397	+0.1155	+0.021	+ 65 23 11.6	+14.154	−0.537	−0.52	76.0	39 231 280	65 325
547	7.9	0 53.57	5.2300	0.1225	0.023	66 15 31.7	14.125	0.547	0.54	75.0	169 231	66 246
548	8.2	1 31.66	5.3063	0.1283	0.026	66 55 37.9	14.086	0.557	0.56	74.0	81 232	66 247
549	8.1	1 35.87	5.1507	0.1153	0.019	65 23 33.3	14.081	0.541	0.52	77.3	39 231 280 285	65 326
550	7.3	2 18.71	5.4418	0.1393	0.030	68 3 6.9	14.037	0.573	0.60	74.0	77 232	67 250

[1] Neblig [2] Einfach

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
551	8.7	3h 3m 4s.27	+5s.7156	+0s.1637	+0s.043	+ 70° 4′ 46″.9	+13″.989	−0″.603	−0″.68	76.3	77 230 285	70° 233
552	8.6	3 12.81	5.2013	0.1178	+0.019	65 45 43.5	13.980	0.550	0.53	73.6	39 231	65 329
553	8.8[1]	3 21.20	5.2831	0.1245	+0.022	66 32 52.4	13.972	0.558	0.55	75.0	169 233	66 249
554	8.5	3 49.39	5.2062	0.1177	+0.018	65 45 21.5	13.942	0.552	0.53	73.6	39 231	65 330
555	8.6	4 40.00	5.5668	0.1477	+0.031	68 51 47.6	13.889	0.592	0.63	75.0	171 232	68 229
556	6.9	3 4 40.68	+5.6533	+0.1557	+0.035	+ 69 30 40.3	+13.888	−0.601	−0.66	76.3	77 230 280	69 203
557	5.7	5 20.46	5.2356	0.1186	+0.016	65 54 44.8	13.846	0.558	0.53	73.6[2]	39 231	65 335
558	8.9	5 35.95	5.7102	0.1598	+0.036	69 50 43.5	13.830	0.609	0.67	75.0	171 230	69 204
559	7.9	5 46.65	5.5955	0.1490	+0.030	68 59 38.1	13.819	0.597	0.63	77.0	171 232 280	68 230
560	7.6	5 51.54	5.3147	0.1245	+0.018	66 37 30.4	13.813	0.568	0.55	75.0	169 233	66 251
561	9.2	3 5 54.50	+5.3135	+0.1244	+0.018	+ 66 36 36.8	+13.810	−0.568	−0.55	75.0	169 233	66 252
562	5.5	6 36.10	5.1755	0.1126	+0.013	65 11 32.1	13.766	0.555	0.52	73.6[3]	39 231	65 338
563	9.2	7 0.27	5.5961	0.1475	+0.027	68 54 6.5	13.741	0.600	0.63	74.0	77 230	68 232
564	8.8	7 56.13	5.5803	0.1450	+0.024	68 42 22.8	13.681	0.601	0.62	76.4	81 232 285	68 235
565	6.3	8 7.78	5.6572	0.1516	+0.027	69 16 13.9	13.669	0.610	0.65	77.5	77 230 280 285	69 205
566	7.3	3 8 17.65	+5.3538	+0.1252	+0.015	+ 66 46 36.7	+13.658	−0.578	−0.56	75.0	169 233	66 253
567	8.6	8 21.09	5.4785	0.1356	+0.019	67 51 26.7	13.655	0.591	0.59	77.0	171 232 280	67 254
568	8.8	8 50.55	5.3351	0.1232	+0.014	66 33 33.6	13.623	0.577	0.55	77.0	171 233 285	66 254
569	4	9 0.81	5.1963	0.1120	+0.010	65 11 33.3	13.612	0.563	0.52	73.6[4]	39 231	65 340
570	7.0	9 14.83	5.5045	0.1368	+0.019	67 59 57.0	13.597	0.596	0.60	76.3	77 232 285	67 256
571	7.5	3 9 21.35	+5.4226	+0.1298	+0.016	+ 67 18 0.4	+13.590	−0.588	−0.58	74.0	81 233	67 257
572	8.6	10 4.40	5.4104	0.1280	+0.014	67 8 5.7	13.544	0.588	0.57	75.0	169 233	67 260
573	9.0[5]	10 4.93	5.5181	0.1370	+0.017	68 2 37.9	13.543	0.599	0.60	76.3	81 230 280	67 259
574	8.9	10 34.71	5.3669	0.1240	+0.012	66 42 20.5	13.511	0.584	0.56	73.6	39 231	66 258
575	9.0	11 46.58	5.3787	0.1237	+0.010	66 42 48.9	13.433	0.588	0.56	75.5	39 171 231 280	66 262
576	8.9	3 11 57.80	+5.7737	+0.1572	+0.023	+ 69 48 37.2	+13.421	−0.631	−0.67	74.0	77 232	69 209
577	9.1	12 13.55	5.3257	0.1190	+0.008	66 11 18.7	13.404	0.584	0.54	77.0	169 231 285	66 263
578	7.1[6]	12 46.43	5.4205	0.1260	+0.009	67 0 16.4	13.369	0.595	0.57	74.0	81 233	66 265
579	9.2	12 58.61	5.5262	0.1345	+0.012	67 52 54.5	13.355	0.607	0.59	75.7	77 171 232 280	67 262
580	8.8	13 29.78	5.3934	0.1231	+0.008	66 42 21.1	13.321	0.594	0.56	75.0	169 233	66 266
581	9.0	3 13 34.39	+5.4103	+0.1244	+0.008	+ 66 51 0.9	+13.316	−0.596	−0.56	74.0	81 233	66 267
582	8.8	13 47.55	5.2189	0.1094	+0.003	65 0 37.5	13.302	0.575	0.51	76.1	39 231 285	64 390
583	8.0	13 57.16	5.6410	0.1430	+0.014	68 42 27.4	13.291	0.622	0.62	74.0	77 232	68 241
584	9.0	14 45.61	5.5008	0.1304	+0.008	67 32 2.9	13.238	0.608	0.58	74.0	81 171 233	67 264
585	7.4	15 39.91	5.3112	0.1147	+0.002	65 46 4.4	13.179	0.590	0.53	73.6	39 231	65 345
586	7.6	3 16 52.22	+5.6877	+0.1435	+0.008	+ 68 50 26.9	+13.099	−0.634	−0.63	76.0	39 232 280	68 249
587	7.5	17 19.29	5.7167	0.1453	+0.008	69 1 12.9	13.069	0.638	0.64	76.3	77 232 280	68 250
588	9.1	17 47.66	5.2876	0.1109	−0.001	65 21 59.1	13.038	0.591	0.52	75.5	39 177 231 280	65 346
589	7.5	18 22.91	5.5918	0.1337	+0.003	67 59 51.6	12.999	0.627	0.60	75.0	169 233	67 270
590	9.3	18 30.96	5.8855	0.1584	+0.010	70 5 48.0	12.990	0.660	0.67	74.0	77 230	70 245
591	8.8	3 18 32.27	+5.6072	+0.1348	+0.003	+ 68 6 26.5	+12.988	−0.629	−0.60	77.0	169 232 285	68 252
592	8.9	18 56.07	5.7750	0.1483	+0.006	69 19 15.5	12.962	0.648	0.65	76.4	81 230 285	69 214
593	9.2	19 17.45	5.4937	0.1250	0.000	67 7 40.1	12.938	0.618	0.57	73.8	39 177 233	67 271
594	8.8	19 17.94	5.6368	0.1364	+0.002	68 16 52.6	12.938	0.634	0.61	74.0	81 232	68 253
595	8.5	19 25.49	5.8092	0.1506	+0.006	69 31 26.3	12.929	0.653	0.66	76.3	77 230 232 285	69 215
596	6.8	3 20 21.21	+5.4875	+0.1234	−0.002	+ 66 59 40.5	+12.867	−0.619	−0.56	75.0	169 233	66 269
597	9.1	20 22.74	5.5073	0.1249	−0.002	67 9 37.3	12.865	0.622	0.57	76.3	81 233 280	67 274
598	7.4	20 23.14	5.5066	0.1248	−0.002	67 9 13.2	12.865	0.622	0.57	76.3	81 233 280	67 273
599	8.7	20 38.83	5.4866	0.1230	−0.003	66 57 54.0	12.847	0.620	0.56	75.0	169 233	66 270
600	8.9	20 43.12	5.6504	0.1358	0.000	68 16 59.1	12.842	0.638	0.60	74.0	77 230	68 256

[1] Com. 9m3 8s5 15° [2] E.B. +0s.004 −0″.033 [3] E.B. −0s.005 +0″.004 [4] E.B. −0s.004 −0″.012
[5] Im dunkeln Felde länglich [6] Austr. seq.

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
601	8.4	$3^h\,20^m\,47^s.61$	+5ˢ.3654	+0ˢ.1137	−0ˢ.004	+ 65°52′ 17″.2	+12″.837	−0″.607	−0″.53	73.7	39 177 231	65°347
602	8.5	21 43.98	5.6663	0.1359	0.002	68 19 55.1	12.774	0.643	0.61	75.0 75.7	77 171 230 280	68 257
603	7.2	22 15.98	5.2992	0.1076	0.007	65 7 23.2	12.738	0.602	0.51	73.7	39 177 231	65 348
604	9.2	22 51.03	5.8548	0.1501	0.001	69 36 4.3	12.699	0.666	0.66	74.0	81 230	69 217
605	8.5	23 14.22	5.6836	0.1356	0.004	68 21 23.1	12.672	0.648	0.61	75.7	77 171 232 280	68 258
606	8.8	3 23 17.99	+5.4968	+0.1210	−0.007	+ 66 51 15.8	+12.668	−0.627	−0.56	76.3	169 177 231 280	66 275
607	8.4	24 36.27	5.5895	0.1267	0.008	67 31 43.5	12.579	0.640	0.58	73.0	39 81 232	67 277
608	8.5	25 56.70	5.3089	0.1050	0.012	64 56 1.9	12.488	0.611	0.50	73.6	39 231	64 398
609	8.3	26 8.23	5.6090	0.1265	0.011	67 34 34.7	12.475	0.646	0.58	74.5	77 171 230 232	67 279
610	8.7	26 15.69	5.3584	0.1081	0.012	65 23 18.0	12.466	0.618	0.51	75.0	169 231	65 352
611	9.2	3 27 43.70	+5.5607	+0.1212	−0.014	+ 67 4 21.7	+12.365	−0.644	−0.56	74.7	169 171 233	66 277
612	9.1	27 43.77	5.4639	0.1142	0.014	66 14 46.2	12.365	0.633	0.53	75.0	169 233	66 278
613	8.7	27 45.25	5.8580	0.1441	0.012	69 17 59.7	12.364	0.678	0.64	74.0	77 230	69 221
614	7.3	27 49.64	5.3556	0.1065	0.014	65 14 40.3	12.359	0.620	0.51	76.0	39 231 280	65 353
615	9.3	27 50.52	5.6644	0.1289	0.013	67 53 32.1	12.358	0.656	0.59	74.0	81 177 232	67 281
616	8.8	3 28 14.05	+5.6631	+0.1283	−0.014	+ 67 51 19.5	+12.330	−0.657	−0.59	74.0	81 177 232	67 282
617	8.9[1]	29 3.04	5.5083	0.1161	0.016	66 32 17.6	12.274	0.641	0.54	74.4	39 231 233	66 279
618	7.0[2]	30 15.95	5.9025	0.1446	0.016	69 26 21.3	12.190	0.689	0.64	74.7	77 230 232	69 222
619	7.9	30 29.54	5.4263	0.1089	0.018	65 42 35.6	12.174	0.634	0.52	75.5	39 169 231 281	65 357
620	9.0	32 4.80	5.4232	0.1072	0.020	65 34 4.5	12.063	0.637	0.51	73.7	39 169 231	65 358
621	8.0	3 32 17.61	+5.4257	+0.1072	−0.020	+ 65 34 32.7	+12.048	−0.638	−0.51	75.0	169 231	65 359
622	8.0	32 38.26	5.7772	0.1320	0.021	68 25 5.8	12.024	0.679	0.60	76.3	77 230 281	68 273
623	6.0	34 12.52	5.5822	0.1161	0.024	66 48 23.8	11.914	0.660	0.55	77.0[3]	169 233 281	66 284
624	...[4]	34 19.44	5.4550	0.1073	0.023	65 42 2.7	11.906	0.645	0.51	78.7 76.4	175 280α 282	[65 361]
625	9.1	34 28.03	5.9784	0.1452	0.025	69 40 37.7	11.896	0.707	0.65	77.0	171 230 285	69 224
626	8.5	3 34 56.40	+6.0050	+0.1467	−0.026	+ 69 49 6.5	+11.863	−0.711	−0.66	78.0	171 230 281 286	69 225
627	8.8	34 57.61	6.0590	0.1509	0.026	70 9 12.0	11.861	0.718	0.67	74.0	81 232	70 254
628	9.0	35 3.76	5.6696	0.1214	0.025	67 27 8.5	11.854	0.672	0.56	77.0	171 233 285	67 291
629	9.0	35 15.62	5.4698	0.1074	0.024	65 46 9.2	11.840	0.649	0.51	77.0	175 231 280	65 362
630	9.0	35 21.63	5.5372	0.1119	0.025	66 21 5.4	11.833	0.657	0.53	75.1	173 233	66 285
631	9.1	3 35 45.48	+5.7838	+0.1289	−0.027	+ 68 16 7.9	+11.805	−0.687	−0.59	74.0	81 232	68 278
632	9.1	36 6.89	5.4909	0.1080	0.026	65 53 52.6	11.779	0.653	0.51	78.0 77.6	173 231 281 286	65 363
633	9.2	36 10.43	5.4897	0.1079	0.026	65 53 0.6	11.775	0.653	0.51	77.6 75.0	4 Beob. [5]	65 364
634	8.2	36 46.10	5.8688	0.1340	0.030	68 48 30.6	11.733	0.699	0.61	75.0	171 232	68 280
635	8.8	37 23.48	5.5841	0.1131	0.028	66 36 42.3	11.689	0.667	0.53	75.1	173 233	66 288
636	8.9	3 37 48.28	+5.4578	+0.1043	−0.027	+ 65 29 18.8	+11.659	−0.653	−0.50	75.0	173 231	65 368
637	6.5	37 48.31	5.6073	0.1142	0.029	66 46 35.1	11.659	0.670	0.54	75.1	173 233	66 290
638	4.5[6]	38 5.89	5.4217	0.1017	0.027	65 8 12.3	11.639	0.649	0.49	75.1	175 233	65 369
639	7.2	38 36.08	5.8715	0.1320	0.033	68 42 57.9	11.603	0.703	0.60	76.2 77.0	171 232 281	68 283
640	7.4	38 51.08	6.0906	0.1482	0.035	70 7 21.2	11.585	0.730	0.66	76.3	81 230 281	70 262
641	6.5	3 39 27.35	+5.7951	+0.1256	−0.034	+ 68 7 21.6	+11.542	−0.696	−0.58	73.7	81 171 204	68 286
642	9.0	40 24.00	6.0662	0.1443	0.038	69 53 7.9	11.474	0.731	0.65	72.5	77 117	69 228
643	8.4	40 35.49	5.7226	0.1192	0.034	67 30 43.5	11.460	0.690	0.56	75.0	81 119 175 282	67 295
644	8.2	40 36.36	5.6790	0.1163	0.034	67 10 26.4	11.459	0.685	0.55	73.5	116 169	67 296
645	7.5	41 13.53	5.4457	0.1004	0.031	65 8 59.2	11.415	0.658	0.49	73.7	36 175 231	65 373
646	7.5	3 41 54.29	+6.0691	+0.1426	−0.042	+ 69 49 8.4	+11.366	−0.734	−0.64	75.0	77 117 171 282	69 229
647	8.8	43 47.08	6.0319	0.1375	0.045	69 28 51.3	11.230	0.734	0.63	73.1	77 119 177	69 230
648	8.0	44 7.19	5.8879	0.1268	0.043	68 30 21.4	11.205	0.717	0.59	72.6	81 119	68 294
649	8.5	44 29.01	5.9856	0.1333	0.045	69 8 37.4	11.179	0.730	0.61	73.0	81 117 171	} 69 231
650	9.0	44 29.68	5.9852	0.1332	0.045	69 8 25.6	11.178	0.730	0.61	76.0	117 171 282	

[1] Dupl.? [2] Gelb. Com. $7^m\,3^s.5$ 80° [3] E.B. [4] Dupl. $9^m.3$ & $9^m.4$ med.; 3^s 50° [5] Z. 173 231 281α 286α
[6] Röthlich

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
651	8.5	$3^h 44^m 31^s.37$	+5ˢ.4566	+0ˢ.0982	−0ˢ.036	+ 65° 2′ 4″.5	+11″.176	−0″.666	−0″.48	72.7	36 116 175	64°414
652	8.7	44 37.65	5.7064	0.1139	0.040	67 8 32.7	11.169	0.696	0.54	74.6	169 204	67 297
653	9.2	46 9.94	5.5504	0.1025	0.039	65 46 3.1	11.057	0.680	0.50	73.6	116 173	65 378
654	7.9	46 16.21	5.8323	0.1205	0.045	67 59 21.4	11.049	0.715	0.57	73.8	119 171 175	67 299
655	9.0	46 28.60	5.5095	0.0996	0.039	65 23 22.6	11.034	0.676	0.49	76.0	116 173 282	65 379
656	7.4	3 46 31.56	+5.7889	+0.1174	−0.045	+ 67 39 25.9	+11.030	−0.710	−0.55	74.6	173 204	67 300
657	8.1	46 54.48	6.1575	0.1426	0.054	70 5 5.7	11.002	0.756	0.65	76.1	119 171 286	70 268
658	8.3	47 9.62	5.4942	0.0981	0.039	65 12 35.8	10.984	0.675	0.48	76.0	116 173 282	65 381
659	9.1	47 39.17	5.5308	0.0999	0.041	65 30 17.9	10.948	0.681	0.49	76.7	173 204 282	65 382
660	8.0	49 10.63	5.9261	0.1236	0.052	68 29 9.6	10.836	0.732	0.58	72.5	77 117	68 299
661	8.9	3 49 11.15	+5.6827	+0.1078	−0.046	+ 66 41 8.0	+10.835	−0.702	−0.52	72.8	39 116 175	66 301
662	8.8	50 30.63	5.9872	0.1262	0.056	68 49 30.6	10.737	0.742	0.59	72.8	39 117 119 175	68 301
663	6.7	53 31.74	5.9377	0.1194	0.059	68 19 51.3	10.513	0.742	0.56	72.8	39 116 175	68 303
664	8.5	53 41.41	6.2210	0.1383	0.069	70 6 47.9	10.501	0.777	0.63	76.0	5 Beob. [1]	70 274
665	9.2	54 12.07	6.0632	0.1270	0.065	69 7 36.2	10.463	0.759	0.59	72.5	77 117	69 234
666	9.1	3 54 55.22	+5.5916	+0.0968	−0.051	+ 65 36 7.4	+10.410	−0.702	−0.48	75.1	39 116 282	65 390
667	8.6	54 57.16	6.1323	0.1306	0.068	69 31 15.4	10.407	0.769	0.61	73.6	119 171	69 235
668	7.2	54 58.36	5.5429	0.0940	0.049	65 10 31.5	10.406	0.696	0.47	76.1	116 175 286	65 391
669	8.8	55 32.27	6.2002	0.1344	0.072	69 54 3.5	10.363	0.779	0.62	72.5	77 117	69 236
670	9.2	55 55.68	5.5873	0.0957	0.051	65 30 28.8	10.334	0.703	0.47	72.1	39 116	65 392
671	7.7	3 56 41.73	+6.0964	+0.1260	−0.070	+ 69 12 42.3	+10.276	−0.768	−0.59	76.0[2]	117 171 282	69 238
672	9.0	57 23.89	6.1108	0.1261	0.072	69 16 1.2	10.224	0.771	0.59	73.6	119 175	69 239
673	7.4	57 31.37	5.9251	0.1142	0.065	68 2 10.8	10.214	0.748	0.54	76.0	116 173 282	67 310
674	8.3	57 31.83	6.2319	0.1340	0.077	69 59 29.3	10.214	0.786	0.62	73.6	117 171	69 240
675	8.0	58 10.80	5.7241	0.1014	0.058	66 30 37.2	10.165	0.724	0.50	74.6	173 204	66 306
676	9.0	3 58 44.83	+5.7113	+0.1001	−0.059	+ 66 22 43.3	+10.122	−0.723	−0.49	73.6	116 173	66 307
677	8.9	59 22.77	6.0310	0.1187	0.072	68 39 33.2	10.074	0.765	0.56	74.6	175 204	68 306
678	9.1	59 31.87	6.1764	0.1277	0.078	69 34 1.7	10.063	0.783	0.60	73.6	117 171	69 242
679	8.9	59 32.01	6.0759	0.1213	0.074	68 56 31.2	10.062	0.771	0.58	73.6	119 175	68 307
680	7.8	4 0 4.03	5.8900	0.1093	0.067	67 39 31.3	10.022	0.748	0.53	73.6	116 173	67 311
681	6.3	4 0 18.39	+5.9649	+0.1135	−0.070	+ 68 10 12.6	+10.004	−0.758	−0.54	76.0	117 171 282	68 310
682	8.8	0 27.52	5.9411	0.1119	0.070	67 59 55.3	9.992	0.755	0.54	73.6	119 175	67 312
683	7.9	1 25.19	6.1278	0.1223	0.079	69 10 46.6	9.919	0.781	0.58	76.0	117 171 282	69 243
684	8.0	1 31.59	5.6354	0.0933	0.059	65 36 28.3	9.911	0.719	0.47	73.6	116 173	65 394
685	9.2	1 49.71	5.6837	0.0957	0.062	65 59 32.0	9.888	0.725	0.47	76.8	175 204 286	65 395
686	8.8	4 2 13.67	+5.7146	+0.0970	−0.063	+ 66 13 15.4	+ 9.858	−0.730	−0.48	73.6	119 175	66 312
687	8.6	2 46.42	5.6782	0.0945	0.062	65 53 50.7	9.816	0.726	0.47	76.0	116 173 282	65 396
688	7.9	3 45.43	6.3062	0.1307	0.091	70 7 55.6	9.741	0.808	0.61	73.6	117 171	70 286
689	9.1	4 21.90	5.8435	0.1021	0.071	67 6 17.5	9.695	0.751	0.50	76.0	116 173 282	67 315
690	9.3	4 21.95	6.1505	0.1202	0.085	69 10 58.6	9.695	0.789	0.57	73.6	117 171	69 246
691	8.9	4 5 4.42	+5.8604	+0.1023	−0.072	+ 67 11 39.1	+ 9.640	−0.754	−0.50	73.6	119 175	67 317
692	8.7	5 26.61	5.7886	0.0980	0.070	66 38 14.3	9.612	0.745	0.48	76.7	175 204 282	66 315
693	6.8	5 37.07	5.8075	0.0988	0.071	66 46 21.5	9.598	0.748	0.49	74.6	175 204	66 316
694	9.2	5 51.75	5.6803	0.0917	0.066	65 45 17.9	9.580	0.732	0.46	73.6	116 173	65 397
695	9.0[3]	5 56.78	5.8736	0.1022	0.074	67 14 54.3	9.573	0.757	0.50	73.6	119 171	67 318
696	8.0	4 7 4.75	+5.5913	+0.0860	−0.063	+ 64 56 19.7	+ 9.486	−0.723	−0.43	73.6	116 173	64 432
697	8.3	7 30.14	5.9284	0.1036	0.079	67 34 4.6	9.453	0.767	0.50	73.7 73.6	119 175α 177	67 319
698	9.1	8 20.08	6.3544	0.1278	0.102	70 12 16.5	9.389	0.823	0.60	76.0	117 171 282	70 292
699	8.8	9 5.22	6.0890	0.1110	0.090	68 34 50.7	9.331	0.790	0.53	73.6	117 175	68 317
700	9.0	9 13.40	6.0913	0.1110	0.089	68 35 23.0	9.320	0.791	0.53	73.6	117 175	68 318

[1] Z. 77 117 119 282 286 [2] E.B. [3] Com. $9^m.7$ praec. 1ˢ.5 A. 2″

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
701	7.6	4h 9m 35.s40	+5.s9214	+0.s1010	−0.s081	+ 67° 25′ 15.″9	+9.″292	−0.″769	−0.″50	75.0	36 116 286	67° 321
702	9.2	9 36.49	6.2068	0.1172	0.096	69 17 37.3	9.290	0.806	0.56	73.8 73.6	119 171α 177	69 250
703	9.1	9 57.99	5.8987	0.0994	0.080	67 14 24.9	9.263	0.767	0.49	76.7	173 204 282	67 323
704	8.8	10 9.11	6.0367	0.1068	0.088	68 11 24.9	9.248	0.785	0.52	75.9 76.8	177 204 286	68 319
705	8.9	10 10.50	6.1991	0.1161	0.097	69 13 23.1	9.246	0.806	0.55	73.6	117 177	69 251
706	8.5	4 10 11.49	+5.8648	+0.0974	−0.079	+ 66 58 55.2	+9.245	−0.763	−0.48	76.7	173 204 282	66 318
707	7.7	10 50.72	6.1399	0.1119	0.094	68 49 39.9	9.194	0.800	0.54	73.6	119 177	68 320
708	7.7	11 47.95	5.9342	0.0994	0.084	67 24 37.3	9.120	0.775	0.49	72.1	36 119	67 324
709	7.3	11 49.91	5.9648	0.1010	0.086	67 37 29.1	9.118	0.779	0.49	76.1	117 171 286	67 325
710	8.1	11 59.55	5.6198	0.0832	0.069	64 56 21.7	9.105	0.734	0.42	75.4	85 116 282	64 437
711	8.9	4 13 18.57	+5.8478	+0.0934	−0.081	+ 66 42 42.2	+9.002	−0.766	−0.46	74.6	175 204	66 323
712	9.3	13 19.20	5.6442	0.0832	0.071	65 5 6.7	9.001	0.740	0.42	75.3 76.0	36α 116 173 282	65 402
713	9.1	13 29.50	5.7239	0.0870	0.075	65 44 16.7	8.988	0.750	0.44	73.6	116 173	65 403
714	7.9	13 47.95	5.8448	0.0927	0.082	66 40 0.5	8.964	0.766	0.46	76.8	175 204 286	66 325
715	8.1	13 54.37	5.9957	0.1005	0.090	67 44 46.8	8.956	0.786	0.49	73.6	117 177	67 327
716	9	4 14 46.73	+6.0015	+0.0999	−0.092	+ 67 44 54.1	+8.887	−0.789	−0.49	72.0	36 117	67 328
717	7.9	15 35.70	5.9555	0.0966	0.090	67 23 35.0	8.823	0.784	0.48	77.1 76.7	177 204 282	67 329
718	8.8	15 36.44	5.8817	0.0928	0.086	66 51 37.5	8.822	0.774	0.46	74.6	175 204	66 327
719	9.1	15 57.58	5.7675	0.0868	0.080	65 58 20.7	8.794	0.760	0.44	73.6	116 173	65 406
720	8.9	16 2.38	6.2001	0.1091	0.105	68 58 58.5	8.788	0.817	0.53	77.1	117 286	68 327
721	8.6	4 16 4.41	+6.3448	+0.1171	−0.115	+ 69 50 4.8	+8.785	−0.836	−0.56	76.1	119 171 286	69 255
722	9.0	16 6.37	6.3715	0.1186	0.116	69 58 59.3	8.783	0.839	0.56	73.6	119 177	69 256
723	9.0	16 10.92	5.7608	0.0863	0.080	65 54 35.9	8.777	0.759	0.46	73.6	116 173	65 407
724	9.2	16 28.86	5.8015	0.0880	0.082	66 12 56.2	8.753	0.765	0.47	74.6	175 205	66 328
725	9.0	16 36.91	5.8266	0.0891	0.084	66 24 8.3	8.743	0.769	0.47	76.7	173 205 282	66 329
726	6.8	4 16 45.57	+6.2232	+0.1095	−0.108	+ 69 5 40.4	+8.731	−0.821	−0.53	76.1	119 177 286	69 258
727	8.0	17 39.42	6.3955	0.1180	0.121	70 3 24.5	8.661	0.845	0.56	73.6	117 171	70 300
728	8.7	17 44.60	6.2094	0.1076	0.109	68 58 16.2	8.654	0.821	0.52	73.6	119 175	68 329
729	8.4	17 57.65	5.7647	0.0848	0.082	65 51 38.5	8.637	0.762	0.43	75.0	36 116 286	65 409
730	9.0	18 5.29	6.4202	0.1188	0.123	70 10 32.3	8.627	0.849	0.56	76.0	117 171 282	70 301
731	8.9	4 18 36.75	+5.7368	+0.0829	−0.081	+ 65 36 29.0	+8.585	−0.760	−0.42	72.0	36 116	65 411
732	8.7	18 47.18	5.8254	0.0970	0.086	66 17 50.7	8.571	0.772	0.44	76.7	173 204 282	66 331
733	9.0	19 20.74	6.3724	0.1145	0.121	69 51 49.0	8.527	0.845	0.54	73.6	119 177	69 260
734	8.9	19 51.80	6.4358	0.1174	0.127	70 11 39.6	8.486	0.854	0.56	73.6	117 171	70 303
735	9.0	20 3.11	5.6678	0.0785	0.078	64 58 22.6	8.471	0.753	0.40	73.6	116 173	64 456
736	8.0	4 20 23.35	+6.2854	+0.1085	−0.117	+ 69 19 24.5	+8.444	−0.835	−0.52	73.6	119 177	69 261
737	6.8	20 32.35	5.9803	0.0927	0.097	67 21 26.3	8.433	0.795	0.46	74.6	175 204	67 334
738	8.4	20 58.30	5.7976	0.0836	0.086	65 59 18.0	8.398	0.771	0.42	72.7	36 116 177	65 413
739	9.0	21 3.67	6.0666	0.0965	0.103	67 55 33.5	8.391	0.807	0.48	76.1	119 173 282	67 335
740	7.6	21 7.15	6.4221	0.1150	0.128	70 4 22.4	8.386	0.854	0.54	73.6	117 171	70 305
741	8.5	4 21 8.01	+6.2214	+0.1043	−0.113	+ 68 54 39.5	+8.385	−0.828	−0.50	74.6	175 204	68 334
742	9.0	24 15.98	5.9610	0.0880	0.100	67 4 14.6	8.136	0.798	0.44	74.8	36 116 173 282	67 338
743	7.4	24 34.12	6.1013	0.0944	0.110	68 1 5.4	8.111	0.817	0.47	75.1	85 117 175 282	67 339
744	8.7	24 53.03	6.1441	0.0961	0.113	68 17 1.5	8.086	0.824	0.47	73.7	117 171 177	68 336
745	9.0	24 53.34	6.0850	0.0932	0.109	67 53 54.6	8.086	0.816	0.46	76.1	119 171 286	67 340
746	9.0	4 26 14.08	+5.7033	+0.0747	−0.085	+ 65 0 18.6	+7.978	−0.767	−0.38	75.0	36 116 282	64 467
747	7.9	26 31.42	6.2424	0.0990	0.122	68 50 11.9	7.955	0.839	0.48	73.8	119 171 177	68 339
748	7.4	26 33.24	5.9558	0.0855	0.102	66 56 37.1	7.952	0.801	0.43	73.6	85 204	66 335
749	8.2	26 48.41	6.2492	0.0991	0.123	68 52 5.4	7.932	0.841	0.48	73.8	119 175 177	68 340
750	9.3	27 7.95	5.7889	0.0775	0.091	65 39 50.5	7.906	0.779	0.39	76.0	116 173 282	65 421

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
751	8.8	$4^h\,27^m\,9^s.13$	+6ˢ.4531	+0ˢ.1088	−0ˢ.139	+ 70° 1′ 37″.0	+7″.904	−0″.868	−0″.52	73.6	117 171	69°265
752	8.7	27 21.81	5.9145	0.0828	0.100	66 36 45.5	7.887	0.796	0.42	75.7	36 204 286	66 336
753	7.5	28 53.70	6.2578	0.0970	0.126	68 50 43.3	7.764	0.845	0.47	75.9 76.8	173 205 286	68 342
754	8.4	29 9.17	6.4024	0.1038	0.138	69 40 42.9	7.743	0.865	0.50	73.6	119 177	69 267
755	8.2	29 36.75	5.9862	0.0838	0.107	67 2 36.5	7.706	0.809	0.42	73.8 75.0	36 116 286	66 340
756	7.6	4 30 17.68	+5.9124	+0.0799	−0.102	+ 66 29 5.0	+7.651	−0.800	−0.40	73.6	85 204	66 343
757	8.6	30 42.52	6.2683	0.0954	0.129	68 50 44.5	7.617	0.849	0.47	74.6	173 205	68 343
758	8.9	30 46.50	5.9701	0.0819	0.107	66 53 6.3	7.612	0.809	0.41	73.8 75.0	36 116 286	66 344
759	7.2	30 49.34	6.1192	0.0884	0.118	67 54 14.6	7.608	0.829	0.44	73.6	85 204	67 343
760	8.3	31 41.92	5.9244	0.0790	0.104	66 31 13.8	7.537	0.804	0.40	72.0	36 116	66 345
761	8.4	4 32 9.65	+6.4032	+0.1001	−0.142	+ 69 34 56.1	+7.499	−0.869	−0.48	73.6	119 177	69 270
762	8.2	32 27.06	6.0721	0.0846	0.116	67 31 57.9	7.476	0.825	0.42	76.1	85 204 286	67 344
763	8.4	32 44.43	6.0973	0.0854	0.118	67 41 29.0	7.452	0.829	0.42	74.6	173 204	67 345
764	9.0	32 51.97	5.9561	0.0792	0.108	66 42 30.7	7.442	0.810	0.40	73.6	116 173	66 347
765	8.9	33 4.28	6.4557	0.1014	0.148	69 50 37.3	7.425	0.878	0.49	73.6	119 177	69 271
766	8.4	4 33 33.80	+5.9992	+0.0804	−0.111	+ 66 59 25.8	+7.385	−0.817	−0.40	76.1	85 204 286	66 348
767	8.2	33 41.42	6.4923	0.1024	0.152	70 1 22.9	7.375	0.884	0.49	73.6	119 177	69 272
768	9.0	34 53.00	6.2192	0.0884	0.130	68 24 9.5	7.278	0.849	0.44	73.6	117 173	68 346
769	8.4	35 28.45	6.4147	0.0965	0.147	69 32 23.4	7.230	0.876	0.47	72.5	82 117	69 273
770	8.7	35 30.44	5.8109	0.0709	0.100	65 30 59.0	7.227	0.794	0.36	75.0	36 116 286	65 427
771	6.7	4 35 31.39	+6.0882	+0.0821	−0.120	+ 67 32 1.5	+7.226	−0.832	−0.41	75.5	85 119 286	67 347
772	8.8	36 53.79	5.9864	0.0765	0.113	66 47 0.0	7.113	0.819	0.39	75.1	36 121 286	66 351
773	7.9	37 16.27	5.8053	0.0691	0.101	65 24 31.1	7.083	0.795	0.36	75.1	40 116 286	65 431
774	7.9[1]	37 39.52	5.9246	0.0733	0.109	66 18 32.0	7.051	0.812	0.37	73.6	123 173	66 353
775	8.8	37 43.50	5.9828	0.0756	0.114	66 43 46.2	7.046	0.820	0.38	73.5	82 204	66 352
776	8.7	4 37 52.03	+5.8124	+0.0688	−0.102	+ 65 26 36.6	+7.034	−0.797	−0.35	75.4	85 116 286	65 432
777	8.8	38 1.69	5.7630	0.0668	0.098	65 2 29.1	7.021	0.790	0.35	75.1	40 116 286	65 433
778	7.3[2]	38 16.97	6.1645	0.0824	0.129	67 56 39.7	7.000	0.846	0.41	73.6	119 173	67 350
779	9.2[3]	38 18.20	5.9377	0.0732	0.111	66 22 59.2	6.998	0.815	0.37	72.8	36 121 177	66 354
780	8.4	39 3.90	6.4090	0.0919	0.151	69 23 47.3	6.936	0.880	0.44	72.5	82 117	69 378
781	7.4	4 39 29.46	+5.9289	+0.0718	−0.111	+ 66 16 39.7	+6.901	−0.815	−0.37	73.6	85 204	66 357
782	9.0	39 52.65	6.4910	0.0944	0.159	69 49 34.7	6.869	0.892	0.46	73.6	117 177	69 380
783	8.8	39 59.75	6.1811	0.0812	0.132	67 59 44.9	6.859	0.850	0.40	76.7	173 204 286	67 351
784	7.1	40 50.62	6.1866	0.0805	0.133	68 0 15.9	6.790	0.852	0.40	74.6	177 204	67 353
785	7.3	41 7.05	5.8711	0.0681	0.108	65 47 18.8	6.767	0.809	0.35	74.6	173 204	65 435
786	7.8	4 41 7.93	+6.0769	+0.0759	−0.124	+ 67 16 22.4	+6.766	−0.837	−0.39	74.6	177 205	67 354
787	4.3	41 38.16	5.9182	0.0694	0.112	66 7 36.9	6.724	0.816	0.36		Fund. Cat. [4]	66 358
788	8.0	42 1.17	5.9329	0.0695	0.113	66 13 24.5	6.693	0.819	0.36	74.6	173 204	66 360
789	7.8	42 41.17	6.0935	0.0749	0.127	67 20 10.8	6.638	0.842	0.38	76.8	177 205 286	67 356
790	9.0	42 54.60	5.9736	0.0702	0.117	66 29 31.1	6.619	0.825	0.36	74.6	173 204	66 361
791	8.2	4 42 55.57	+6.0058	+0.0714	−0.120	+ 66 43 20.0	+6.618	−0.830	−0.36	76.8	177 205 286	66 362
792	9.0	44 29.59	6.4460	0.0868	0.160	69 26 44.6	6.488	0.892	0.42	72.5	82 117	69 283
793	9.0	44 42.40	6.4186	0.0855	0.158	69 17 7.6	6.471	0.889	0.42	77.3	117 171 283 R11	69 284
794	7.7	44 54.75	6.1391	0.0743	0.133	67 34 18.3	6.453	0.851	0.37	73.6	85 203	67 357
795	7.1	45 22.12	5.7979	0.0617	0.106	65 4 27.3	6.416	0.804	0.32	72.7	36 116 173	65 439
796	8.7[5]	4 45 32.96	+6.3916	+0.0834	−0.156	+ 69 6 27.4	+6.401	−0.886	−0.41	72.5	82 117	69 285
797	8.5	45 37.43	6.3577	0.0819	0.153	68 54 31.8	6.395	0.882	0.40	77.1	40 204 283 R11	68 353
798	8.6	45 46.10	6.0900	0.0716	0.129	67 13 5.0	6.383	0.845	0.36	75.6	38 203 205 286	67 360
799	8.7[6]	46 15.09	6.5297	0.0881	0.171	69 51 18.7	6.342	0.906	0.43	73.6	121 171	69 286
800	8.2	46 28.50	6.5130	0.0871	0.169	69 45 32.8	6.324	0.904	0.42	73.8	121 171 177	69 288

[1] Einfach [2] Rothgelb [3] Com. $9^m.5$ 3″ 70° [4] E.B. −0ˢ.0027 −0″.001 [5] Com. $9^m.7$ pos. 130°
[6] Dupl. ca. 1″ pos. 40°

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
801	9.2	$4^h 46^m 38^s.83$	+6ˢ.2722	+0ˢ.0775	−0ˢ.146	+ 68°22′ 2″.1	+6″.310	−0″.871	−0″.38	73.8	40 203 204	68°354
802	8.4	46 45.42	6.2697	0.0772	0.146	68 20 55.5	6.300	0.871	0.38	72.6	85 121	68 355
803	9.2	46 51.46	6.4186	0.0829	0.160	69 13 33.6	6.292	0.892	0.41	73.0	82 117 177	69 289
804	8.8	46 57.67	6.4182	0.0827	0.160	69 13 14.5	6.283	0.892	0.41	77.3	117 177 283 R II	69 290
805	9.3	47 32.69	6.5370	0.0867	0.173	69 51 35.2	6.235	0.909	0.42	77.1	119 286	[69 291]
806	7.6	4 48 40.07	+6.3825	+0.0793	−0.158	+ 68 58 9.3	+6.141	−0.889	−0.39	73.1	40 119 205	68 357
807	9.0	48 41.71	5.8946	0.0620	0.115	65 43 34.5	6.139	0.821	0.32	72.7	38 116 173	65 445
808	9.2	48 47.24	6.3075	0.0764	0.151	68 31 21.5	6.132	0.878	0.38	73.1	82 119 177	68 359
809	8.7	48 49.76	5.8233	0.0596	0.110	65 10 5.1	6.128	0.811	0.31	75.1	38 116 204 286	65 446
810	8.8	50 2.28	6.5534	0.0842	0.177	69 52 56.1	6.027	0.914	0.41	73.0	82 117 177	69 293
811	6.0	4 50 11.02	+6.0258	+0.0650	−0.127	+ 66 38 41.6	+6.015	−0.841	−0.33	72.7 [1]	85 123	66 370
812	8.3	50 13.81	5.8553	0.0594	0.113	65 22 40.8	6.011	0.817	0.31	73.1	85 116 173	65 449
813	9.3	51 38.91	5.8713	0.0586	0.115	65 27 38.3	5.893	0.821	0.30	73.6	85 203	65 450
814	8.6	51 44.95	6.4360	0.0777	0.167	69 11 42.9	5.884	0.900	0.38	77.3	121 171 283 R II	69 294
815	9.0	51 50.26	6.4313	0.0774	0.166	69 9 57.7	5.877	0.899	0.38	73.6	121 171	69 295
816	8.8	4 51 51.34	+6.3564	+0.0747	−0.159	+ 68 43 58.3	+5.875	−0.889	−0.37	74.6	171 203	68 360
817	6.8	52 44.55	6.3703	0.0742	0.161	68 47 30.3	5.801	0.892	0.37	77.3	121 171 283 R II	68 361
818	9.3	52 59.64	6.3100	0.0718	0.155	68 25 32.9	5.780	0.884	0.36	73.6	85 203	68 362
819	8.9	53 15.06	6.2562	0.0696	0.150	68 5 20.2	5.759	0.877	0.35	74.4	171 178 203	68 363
820	8.9	53 52.46	5.9032	0.0576	0.119	65 38 30.4	5.706	0.828	0.30	74.1	85 203 205	65 453
821	8.7	4 54 11.52	+6.4759	+0.0762	−0.173	+ 69 21 27.9	+5.680	−0.908	−0.37	73.8	121 171 178	69 297
822	8.5	54 43.47	6.5515	0.0782	0.182	69 45 24.8	5.635	0.920	0.38	72.6	87 117	69 298
823	8.7	55 2.44	6.5010	0.0760	0.177	69 28 33.6	5.608	0.913	0.37	72.6	82 119	69 299
824	9.2	55 15.47	6.5075	0.0760	0.177	69 30 22.0	5.590	0.914	0.37	76.8	82 119 283 R II	69 300
825	8.0	55 37.78	6.5445	0.0769	0.182	69 41 53.2	5.559	0.920	0.37	72.6	85 117	69 301
826	9.0	4 55 56.82	+6.1957	+0.0647	−0.147	+ 67 38 10.9	+5.532	−0.871	−0.33	73.1	38 116 204	67 364
827	7.2	55 56.93	6.5038	0.0750	0.178	69 28 11.1	5.532	0.914	0.37	72.6	82 119	69 302
828	8.7	56 54.60	6.2722	0.0662	0.154	68 5 46.0	5.451	0.883	0.33	75.1	40 121 204 286	68 367
829	8.0	57 15.97	5.9409	0.0556	0.124	65 50 3.8	5.421	0.837	0.29	72.1	38 116	65 456
830	8.5	57 28.67	6.3411	0.0678	0.162	68 30 8.1	5.403	0.893	0.34	75.5	85 121 286	68 368
831	8.9	4 57 43.47	+6.3176	+0.0668	−0.159	+ 68 21 13.9	+5.383	−0.890	−0.33	72.2	40 119	68 369
832	8.8	57 44.95	6.6035	0.0762	0.191	69 57 43.1	5.380	0.930	0.37	72.6	87 117	69 304
833	8.7	58 14.89	5.8968	0.0535	0.121	65 28 30.8	5.338	0.831	0.28	76.6	38 116 283 R II	65 457
834	9.0	58 18.94	6.5884	0.0750	0.189	69 52 12.4	5.333	0.929	0.37	76.8	82 117 283 R II	69 305
835	9.3	58 32.47	6.3170	0.0658	0.161	68 19 54.9	5.314	0.891	0.33	72.6	87 119	68 371
836	9.0	4 58 40.43	+6.0092	+0.0563	−0.131	+ 66 17 53.1	+5.302	−0.848	−0.29	73.4	40 171 203	66 377
837	8.5	59 15.06	5.9503	0.0541	0.126	65 51 10.1	5.254	0.840	0.28	76.6	38 116 283 R II	65 459
838	7.3	59 24.46	6.1905	0.0610	0.149	67 31 4.4	5.240	0.874	0.31	75.5	85 121 286	67 367
839	8.2	59 41.33	6.2158	0.0615	0.151	67 40 27.2	5.217	0.878	0.31	76.2 75.5	87 123 283 R II α	67 368
840	8.8	59 47.56	6.1415	0.0591	0.144	67 11 8.8	5.208	0.867	0.30	76.1	85 203 286	67 369
841	7.0 [2]	5 0 34.27	+6.5598	+0.0712	−0.188	+ 69 40 7.3	+5.142	−0.927	−0.35	72.6	82 121	69 307
842	7.0	1 12.46	6.1678	0.0585	0.148	67 19 36.1	5.088	0.872	0.30	72.7	87 123	67 371
843	9.2	1 30.56	6.0775	0.0556	0.139	66 42 36.8	5.063	0.860	0.28	73.1	40 203	66 378
844	8.2	1 30.95	6.2018	0.0591	0.151	67 32 28.6	5.062	0.877	0.30	75.4	82 121 286	67 372
845	8.1	1 36.27	5.9643	0.0524	0.129	65 53 53.4	5.055	0.844	0.27	75.1	38 123 283	65 464
846	9.1	5 1 48.55	+6.0170	+0.0536	−0.134	+ 66 16 36.2	+5.037	−0.852	−0.27	73.6	85 203	66 379
847	7.9	1 52.77	6.1518	0.0573	0.146	67 12 20.0	5.031	0.871	0.29	74.6	171 204	67 373
848	8.9	2 46.90	6.2835	0.0602	0.160	68 1 48.0	4.955	0.890	0.30	73.5	82 204	68 374
849	8.9	3 5.47	5.9908	0.0517	0.132	66 3 24.4	4.929	0.849	0.27	73.1	40 203	66 380
850	9.4	3 27.98	5.9868	0.0512	0.132	66 1 9.6	4.897	0.849	0.26	75.6 75.2	85 171 203 283	66 382

[1] E.B. +0ˢ.0124 −0″.39 [2] Einfach

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
851	8.7	5h 3m33s.71	+6s.1427	+0s.0554	−0s.146	+ 67° 6′23″.2	+4″.889	−0″.871	−0″.28	76.1	87 204 286	67°376
852	9.2	3 58.43	5.8614	0.0475	0.121	65 3 26.6	4.854	0.832	0.25	75.1	38 116 283	65 466
853	8.8	4 20.74	6.0620	0.0524	0.139	66 32 12.3	4.822	0.860	0.27	72.2	40 123	66 383
854	8.9	4 26.33	6.4570	0.0634	0.180	69 1 16.3	4.814	0.916	0.31	72.6	82 119	68 375
855	8.4	4 30.87	6.4232	0.0623	0.176	68 49 35.7	4.808	0.912	0.31	73.6	87 204	68 376
856	9.3	5 4 32.95	+6.2786	+0.0581	−0.161	+ 67 57 37.8	+4.805	−0.891	−0.29	73.1	85 87 204	67 377
857	8.7	4 48.46	6.4524	0.0628	0.180	68 59 14.4	4.783	0.916	0.31	75.4	82 117 286	68 378
858	9.2	6 34.75	6.2957	0.0564	0.164	68 1 26.7	4.632	0.895	0.28	73.1	41 203	67 378
859	7.4	6 35.62	6.2687	0.0557	0.161	67 51 20.4	4.631	0.892	0.28	75.4	85 123 283	67 379
860	9.0	6 39.32	5.9728	0.0479	0.132	65 50 37.5	4.626	0.850	0.25	75.1	38 116 286	65 468
861	8.9	5 7 31.25	+6.3695	+0.0574	−0.172	+ 68 27 5.1	+4.552	−0.907	−0.29	72.6	85 119	68 380
862	6.8	7 56.92	6.0836	0.0495	0.143	66 36 30.5	4.516	0.866	0.25	75.1	38 116 203 286	66 385
863	9.0	7 56.98	6.6872	0.0658	0.210	70 11 0.9	4.516	0.952	0.32	75.4	82 117 283	70 348
864	7.8	9 2.22	6.1284	0.0495	0.148	66 53 34.4	4.423	0.874	0.25	75.1	38 116 286	66 387
865	8.4	9 20.80	6.5187	0.0593	0.190	69 16 9.4	4.396	0.929	0.29	75.4	82 117 283	69 315
866	9.0	5 9 37.68	+6.1347	+0.0491	−0.149	+ 66 55 24.2	+4.372	−0.875	−0.26	73.9 75.1	40 116 286	66 388
867	8.0	9 45.53	6.6153	0.0615	0.202	69 46 50.4	4.361	0.944	0.30	75.4	87 119 283	69 316
868	8.6	9 47.21	6.5503	0.0596	0.195	69 26 0.7	4.359	0.934	0.29	73.1	87 119 177	69 317
869	8.1	9 49.43	6.0826	0.0477	0.144	66 33 44.6	4.356	0.868	0.24	72.2	41 123	66 390
870	8.8	9 50.22	6.2119	0.0508	0.157	67 25 44.8	4.354	0.886	0.26	72.6	85 121	67 380
871	8.9	5 10 11.48	+6.3975	+0.0551	−0.177	+ 68 33 53.3	+4.324	−0.913	−0.27	73.1	41 203	68 383
872	8.2[1]	10 12.03	6.0152	0.0457	0.138	66 4 39.2	4.323	0.858	0.23	72.8	38 123 177	66 391
873	9.1	10 15.10	6.4166	0.0556	0.179	68 40 31.8	4.319	0.916	0.28	72.6	82 119	68 384
874	8.2	11 24.59	6.4946	0.0562	0.189	69 5 52.7	4.220	0.928	0.28	72.5	40 117 121	69 319
875	9.0	11 50.57	6.2343	0.0493	0.161	67 32 3.2	4.183	0.891	0.25	74.1	5 Beob. [2]	67 381
876	7.5	5 12 46.67	+6.6890	+0.0596	−0.214	+ 70 6 29.1	+4.103	−0.957	−0.29	75.4	82 117 283	70 351
877	8.8	13 43.40	6.3318	0.0496	0.172	68 6 29.5	4.022	0.906	0.25	73.4	41 119 177 203	68 387
878	9.3	13 44.33	6.4187	0.0517	0.182	68 37 28.1	4.021	0.919	0.26	74.4 74.8	40 87 117 283	68 386
879	9.0	14 16.90	6.1928	0.0458	0.157	67 13 15.0	3.974	0.887	0.23	74.3	38 85 116 283	67 383
880	9.1	15 3.24	6.0990	0.0430	0.148	66 34 33.6	3.908	0.874	0.22	72.8	40 123 177	66 394
881	8.3	5 15 3.60	+6.2438	+0.0462	−0.163	+ 67 32 11.2	+3.907	−0.895	−0.23	75.1 74.4	5 Beob. [3]	67 384
882	8.1	15 5.72	6.5284	0.0527	0.196	69 13 18.0	3.904	0.936	0.26	75.4	82 117 286	69 323
883	8.4	15 44.55	6.2878	0.0464	0.168	67 48 7.7	3.849	0.902	0.23	79.1	203 286 287	67 385
884	8.5	16 3.18	6.5609	0.0523	0.200	69 23 1.1	3.822	0.941	0.25	75.4	82 117 287	69 325
885	8.9	16 6.54	5.9633	0.0392	0.136	65 34 56.3	3.817	0.855	0.20	72.8	38 116 177	65 474
886	8.4	5 17 6.57	+6.1854	+0.0428	−0.158	+ 67 7 24.3	+3.731	−0.888	−0.22	73.1	41 203	67 386
887	9.2	17 26.83	6.0392	0.0395	0.144	66 6 46.8	3.702	0.867	0.20	75.4 74.9	40 121 178 284	66 398
888	7.9	17 40.90	6.0418	0.0393	0.144	66 7 39.8	3.682	0.868	0.20	76.6	38 121 283 287	66 399
889	8.4	18 13.50	6.0003	0.0380	0.140	65 49 6.9	3.635	0.862	0.19	72.2	41 123	65 476
890	9.1	19 35.88	6.6231	0.0494	0.210	69 39 41.1	3.517	0.953	0.24	75.4	82 121 287	69 326
891	6.8	5 19 50.33	+6.3172	+0.0427	−0.174	+ 67 55 4.7	+3.496	−0.909	−0.21	75.3	38 178 203 283	67 390
892	8.3	20 9.24	6.7018	0.0505	0.220	70 3 33.3	3.469	0.964	0.25	72.6	82 121	70 357
893	8.2	20 15.44	6.6055	0.0482	0.208	69 33 32.7	3.460	0.951	0.24	72.7	87 121	69 327
894	8.9	21 8.56	6.0699	0.0366	0.148	66 16 9.6	3.384	0.874	0.19	73.8	87 178 203	66 400
895	8.4	21 13.24	6.0181	0.0356	0.142	65 53 52.9	3.377	0.867	0.18	75.1	38 123 287	65 478
896	9.4	5 21 27.38	+6.6190	+0.0470	−0.210	+ 69 36 47.6	+3.357	−0.953	−0.23	76.0 76.2	82 203 283	69 328
897	8.9	22 8.72	6.5711	0.0452	0.205	69 20 52.5	3.297	0.947	0.22	76.1	87 203 283	69 329
898	8.6	22 32.86	5.9038	0.0324	0.132	65 1 15.0	3.263	0.851	0.17	72.2	(38α) 41 123	64 533
899	7.1	22 36.51	5.8955	0.0322	0.132	64 57 19.1	3.257	0.850	0.17	75.1	41 123 287	64 534
900	7.6	22 50.68	6.5110	0.0432	0.198	69 0 32.1	3.237	0.939	0.21	73.5	82 203	68 393

[1] Einfach [2] Z. 38 85 116 123 286 [3] Z. 41 85 119 283α 284

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
901	9.0	$5^h 23^m 18^s.34$	+5ˢ.9727	+0ˢ.0329	−0ˢ.139	+ 65° 31′ 55″.1	+3″.197	−0″.861	−0″.17	75.1	40 123 287	65° 480
902	8.8	24 2.42	6.3595	0.0390	0.180	68 6 51.2	3.134	0.917	0.19	73.1	41 203	68 395
903	6.4	24 28.51	6.1260	0.0344	0.155	66 36 33.1	3.096	0.884	0.17	72.8	40 123 178	66 401
904	8.3	24 36.45	6.5707	0.0423	0.206	69 18 48.0	3.085	0.948	0.21	75.4	82 121 283	69 336
905	8.2	25 8.42	5.9134	0.0304	0.134	65 3 18.6	3.039	0.854	0.15	74.8	38 118 178 283	65 482
906	8.8	5 26 13.11	+6.2099	+0.0341	−0.164	+ 67 8 44.6	+2.945	−0.897	−0.17	71.8	38 41 118	67 393
907	6.4	26 14.35	6.6861	0.0424	0.222	69 54 1.4	2.944	0.966	0.20	72.1	43 82 121	69 339
908	8.3	29 38.76	6.1776	0.0302	0.160	66 53 21.7	2.648	0.894	0.15	72.8	38 123 178	66 402
909	6.3	29 55.02	5.9977	0.0274	0.144	65 37 32.4	2.625	0.868	0.14	72.1	40 118	65 485
910	8.9	30 28.68	5.9234	0.0259	0.137	65 3 36.2	2.576	0.858	0.13	75.1	38 118 287	65 486
911	8.4[1]	5 30 48.37	+6.1185	+0.0282	−0.156	+ 66 28 31.2	+2.548	−0.886	−0.14	72.2	41 123	66 405
912	9.2	30 52.22	6.5089	0.0338	0.205	68 53 56.1	2.542	0.943	0.16	73.5	82 203	68 400
913	7.4	30 53.21	6.4919	0.0335	0.199	68 48 12.0	2.541	0.940	0.16	75.4	82 121 283	68 401
914	7.8	31 0.13	6.4267	0.0324	0.191	68 25 39.8	2.531	0.931	0.16	75.8	43 205 287	68 402
915	6.7	31 7.47	6.1315	0.0281	0.158	66 33 39.5	2.520	0.888	0.14	72.7	87 123	66 406
916	9.1	5 31 29.90	+5.9188	+0.0250	−0.136	+ 65 0 43.3	+2.488	−0.858	−0.12	74.8	40 118 178 283	64 541
917	8.4	31 40.76	6.2327	0.0289	0.169	67 13 40.0	2.472	0.903	0.14	73.6	87 203	67 397
918	7.8	31 40.82	6.3421	0.0305	0.181	67 54 54.1	2.472	0.919	0.15	73.1	41 203	67 396
919	9.2	31 47.24	6.5163	0.0329	0.202	68 55 50.9	2.462	0.944	0.16	73.6	82 206	68 403
920	8.5	31 51.98	6.5670	0.0335	0.209	69 12 33.8	2.456	0.952	0.16	73.1	43 205	69 343
921	8.4	5 32 0.24	+6.4931	+0.0323	−0.200	+ 68 47 52.6	+2.444	−0.941	−0.16	73.6	87 206	68 404
922	8.2	32 28.30	6.6519	0.0340	0.220	69 39 20.2	2.403	0.964	0.16	73.1	43 205	69 344
923	9.2	33 17.23	6.0276	0.0248	0.148	65 48 17.2	2.333	0.874	0.12	72.6 72.8	38α 41 118 178	65 487
924	8.5	33 27.26	6.0390	0.0247	0.149	65 53 8.8	2.318	0.876	0.12	76.9	87 123 283 287	65 488
925	8.9	33 32.25	5.9937	0.0241	0.144	65 33 15.8	2.310	0.869	0.12	72.7	87 123	65 489
926	8.9	5 33 48.91	+6.3096	+0.0278	−0.178	+ 67 41 32.5	+2.286	−0.915	−0.13	74.1	82 203 206	67 398
927	9.0	34 0.11	6.4344	0.0293	0.193	68 26 29.9	2.270	0.933	0.14	73.5	82 205	68 406
928	9.1	34 7.85	6.0232	0.0239	0.147	65 45 50.0	2.259	0.874	0.12	75.1	38 118 287	65 490
929	7.7	35 2.31	6.4695	0.0285	0.198	68 38 3.1	2.180	0.939	0.14	75.8	43 205 283	68 408
930	8.9	36 21.19	5.9381	0.0210	0.139	65 6 25.9	2.066	0.862	0.10	75.1	40 118 287	65 495
931	9.2	5 36 39.29	+6.1858	+0.0234	−0.165	+ 66 52 9.6	+2.039	−0.898	−0.11	73.9	41 178 203 206	66 408
932	9.3	37 10.30	6.0440	0.0214	0.150	65 53 3.7	1.994	0.878	0.10	72.9	5 Beob. [2]	65 496
933	8.9	37 17.30	6.0633	0.0215	0.152	66 1 14.9	1.984	0.881	0.10	76.8	82 123 283 287	66 409
934	9.1	38 5.96	5.9130	0.0193	0.137	64 53 51.2	1.913	0.859	0.09	72.8	38 118α 123 178	64 548
935	7.1[3]	38 27.47	6.0213	0.0200	0.148	65 42 28.7	1.882	0.875	0.09	72.7	40 82 203	65 497
936	8.5	5 38 32.42	+6.5286	+0.0252	−0.206	+ 68 56 15.9	+1.875	−0.949	−0.12	75.8	43 205 283	68 410
937	6.2	39 29.05	6.4408	0.0232	0.195	68 25 52.7	1.793	0.936	0.11	75.8	43 205 287	68 412
938	8.3	39 40.83	6.1848	0.0204	0.166	66 50 12.4	1.776	0.899	0.10	73.8	41 203 206	66 410
939	7.8	39 44.03	5.9432	0.0181	0.141	65 6 54.9	1.771	0.864	0.09	72.6	38 82 123 178	65 499
940	9.0	39 55.44	5.9570	0.0181	0.142	65 13 5.6	1.754	0.866	0.09	74.4	40 87 123 283	65 500
941	9.2	5 40 51.33	+5.9233	+0.0170	−0.139	+ 64 57 12.7	+1.673	−0.862	−0.08	74.9	41 118 178 283	64 550
942	9.1	40 52.37	6.2616	0.0200	0.175	67 19 42.3	1.672	0.911	0.09	73.2	43 123 206	67 402
943	8.7	41 18.49	5.9251	0.0166	0.139	64 57 50.1	1.634	0.862	0.08	72.8	41 118 178	64 551
944	7.6	42 24.55	6.2891	0.0186	0.178	67 29 29.2	1.538	0.915	0.09	72.9	43 87 123 206	67 405
945	9.1	43 1.81	6.4410	0.0192	0.196	68 24 26.2	1.484	0.937	0.09	74.0 73.8	82 203 205	68 414
946	8.4	5 43 13.73	+6.5738	+0.0202	−0.213	+ 69 9 12.3	+1.466	−0.957	−0.09	74.0	82 203 205	69 348
947	9.3	43 32.39	6.2656	0.0173	0.178	67 20 7.9	1.439	0.912	0.08	74.4 74.8	40 87 118 283	67 406
948	8.0	43 55.08	6.3801	0.0178	0.189	68 2 30.0	1.406	0.929	0.08	74.9	41 123 178 283	68 415
949	7.3	44 13.08	6.6543	0.0197	0.224	69 34 37.1	1.380	0.969	0.09	72.2	43 121	69 350
950	6.7	44 53.62	6.0784	0.0146	0.155	66 4 12.4	1.321	0.885	0.07	72.1	38 87 118	66 413

[1] Einfach [2] Z. (40α) 41 87 118 206 [3] Com. $8^m.5$ 4″.5 110°

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
951	9.4	$5^h 45^m 28^s.39$	+6ˢ.5535	+0ˢ.0174	−0ˢ.211	+ 69° 1′ 47″.0	+1″.270	−0″.954	−0″.08	76.6	41 121 283 287	69°354
952	8.1	45 46.76	6.6191	+0.0175	0.220	69 22 59.1	+1.244	0.964	−0.08	73.8	43 203 206	69 355
953	9.5	46 2.92	6.5834	+0.0169	0.215	69 11 25.4	+1.220	0.959	−0.07	74.0 73.5	82 203α 205	69 356
954	8.4	46 12.38	6.3962	+0.0154	0.191	68 7 31.4	+1.206	0.932	−0.07	72.2	40 87 123	68 417
955	7.0	47 50.86	6.2172	+0.0126	0.170	66 59 53.4	+1.063	0.906	−0.05	72.9	38 87 118 206	66 419
956	9.2	5 48 3.45	+6.6980	+0.0152	−0.231	+ 69 47 3.6	+1.045	−0.976	−0.06	73.2	43 121 205	69 357
957	9.2	48 10.00	6.5921	+0.0144	0.216	69 13 37.9	+1.035	0.961	−0.06	72.6	82 121	69 358
958	7.1	48 44.32	6.0040	+0.0107	0.148	65 30 42.9	+0.985	0.875	−0.05	72.8	38 118 178	65 507
959	7.7	48 57.77	6.4562	+0.0128	0.199	68 27 53.1	+0.965	0.941	−0.05	77.1	43 203 283 287	68 418
960	6.9	49 20.90	6.2014	+0.0110	0.169	66 53 14.8	+0.932	0.904	−0.04	72.2	41 87 123	66 420
961	8.2	5 49 31.85	+6.2658	+0.0112	−0.176	+ 67 18 19.5	+0.916	−0.913	−0.05	73.8	41 203 206	67 407
962	6.9	49 43.04	5.9427	+0.0095	0.142	65 2 54.3	+0.899	0.866	−0.04	72.2	40 123	65 509
963	8.8	49 59.12	5.9319	+0.0092	0.141	64 57 50.1	+0.876	0.865	−0.04	76.6	40 118 283 287	64 557
964	9.3	50 14.83	6.4866	+0.0115	0.203	68 38 2.7	+0.853	0.946	−0.05	73.1	43 205	68 419
965	9.1	51 49.36	6.2609	+0.0088	0.176	67 15 56.6	+0.715	0.913	−0.03	74.1 74.4	82 178 203 206	67 408
966	8.9	5 51 55.89	+6.1688	+0.0084	−0.165	+ 66 39 38.5	+0.706	−0.899	−0.03	76.6	41 118 283 287	66 422
967	8.3	51 57.81	6.2105	+0.0085	0.170	66 56 16.8	+0.703	0.906	−0.03	72.2	40 123	66 423
968	8.3	52 18.65	6.6414	+0.0097	0.224	69 28 32.0	+0.673	0.968	−0.04	75.1	43 121 283	69 361
969	9.2	52 40.67	6.2676	+0.0080	0 177	67 18 20.6	+0.641	0.914	−0.03	74.1 73.9	82 178 203 206	67 409
970	8.6	52 56.41	6.3224	+0.0079	0.183	67 38 58.8	+0.618	0.922	−0.03	76.1	87 205 284	67 410
971	8.3	5 53 22.15	+6.1115	+0.0068	−0.159	+ 66 15 51.2	+0.580	−0.891	−0.02	72.2	41 123	66 425
972	9.1	53 31.23	6.2237	+0.0070	0.172	67 1 12.1	+0.567	0.908	−0.02	74.1	87 203 206	67 411
973	8.3	53 35.01	5.9586	+0.0062	0.143	65 9 18.7	+0.561	0.869	−0.02	72.1	40 118	65 510
974	8.0	54 16.48	6.2786	+0.0064	0.178	67 22 17.8	+0.501	0.916	−0.02	73.1	41 205	67 412
975	9.1	54 19.69	6.6286	+0.0072	0.220	69 24 11.0	+0.496	0.967	−0.02	72.2	43 121	69 363
976	8.0	5 54 33.99	+5.9923	+0.0054	−0.147	+ 65 24 19.6	+0.475	−0.874	−0.02	74.8	38 118 178 283	65 511
977	7.5	55 4.34	6.5039	+0.0060	0.206	68 43 8.9	+0.431	0.949	−0.02	73.5	82 205	68 423
978	8.9	56 3.70	6.1118	+0.0043	0.160	66 15 37.9	+0.345	0.891	−0.01	72.1	40 118	66 426
979	9.2	56 9.77	6.2126	+0.0043	0.171	66 56 31.0	+0.336	0.906	−0.01	75.1	41 123 287	66 427
980	9.4	56 42.61	6.1803	+0.0038	0.167	66 43 37.3	+0.288	0.901	−0.01	76.7 76.2	82 203 283α 284	66 428
981	9.5	5 56 44.33	+6.2051	+0.0038	−0.170	+ 66 53 30.4	+0.285	−0.905	−0.01	72.7	87 123	66 429
982	7.7	57 11.90	6.4538	+0.0036	0.200	68 25 46.2	+0.245	0.941	0.00	72.2	43 121	68 425
983	9.3	57 23.62	6.1140	+0.0030	0.160	66 16 28.5	+0.228	0.892	0.00	75.1	40 123 287	66 430
984	9.0	57 26.86	6.2721	+0.0031	0.178	67 19 31.1	+0.223	0.915	0.00	73.1	41 203	67 413
985	9.5[1]	57 46.32	6.3797	+0.0029	0.190	67 59 28.6	+0.195	0.930	0.00	74.1	87 178 206 207	67 414
986	9.4	5 57 46.89	+6.7169	+0.0031	−0.234	+ 69 51 23.6	+0.194	−0.980	0.00	75.4	82 121 284	69 366
987	8.9	58 4.26	6.3919	+0.0026	0.192	68 3 51.7	+0.169	0.932	0.00	73.1	43 205	68 426
988	9.0	59 0.73	6.5434	+0.0016	0.211	68 56 8.7	+0.087	0.954	+0.01	76.1 76.4	178 179 205 284	68 427
989	8.7	59 15.30	6.3865	+0.0013	0.191	68 1 51.8	+0.065	0.931	+0.01	76.8	178 206 284	68 429
990	8.7	59 15.92	6.5460	+0.0013	0.211	68 57 0.4	+0.064	0.955	+0.01	73.1	43 205	68 428
991	9.3	5 59 23.97	+6.1075	+0.0012	−0.159	+ 66 13 41.1	+0.053	−0.891	+0.01	74.8 74.6	179 206 207	66 433
992	9.1	59 44.57	5.9524	+0.0009	0.143	65 5 58.8	+0.023	0.868	+0.01	78.1	206 287	65 515
993	8.9	6 0 12.63	6.0482	+0.0004	0.153	65 48 27.8	−0.018	0.882	+0.01	74.5 74.4	178 179 207	65 516
994	**5.8**	0 16.43	**6.0387**	**+0.0004**	**0.152**	**65 44 22.1**	**−0.024**	**0.881**	**+0.01**		**Fund. Cat.** [2]	**65 517**
995	7.7	0 54.26	6.3582	−0.0005	0.188	67 51 38.0	−0.079	0.927	+0.02	73.8	87 179 206	67 417
996	7.6	6 1 27.83	+6.7480	−0.0015	−0.239	+ 70 0 46.5	−0.128	−0.984	+0.02	75.8	43 205 284	70 394
997	9.4	1 46.73	6.2390	−0.0012	0.174	67 6 42.3	−0.156	0.910	+0.02	74.7 74.5	180 207	— —
998	9.2	2 9.50	5.9386	−0.0012	0.141	64 59 42.9	−0.189	0.866	+0.02	73.6	118 178	64 570
999	9.0	2 29.68	6.1041	−0.0017	0.159	66 12 20.3	−0.218	0.891	+0.02	76.8	180 203 287	66 434
1000	8.8	2 37.91	6.2491	−0.0021	0.175	67 10 40.4	−0.230	0.911	+0.03	78.1	208 287	67 419

[1] $9^m.5$ 6″ 65° [2] E.B. −0ˢ.009 −0″.046

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1001	7.1	6h 2m53s.98	+6s.0999	−0s.0021	−0s.158	+ 66°10′ 35″.6	−0″.254	−0″.890	+0″.03	74.6	180 203	66°435
1002	9.1	3 3.44	6.0982	0.0023	0.158	66 9 52.7	0.268	0.889	0.03	73.8 73.1	41 203 207	66 436
1003	7.2[1]	3 13.89	6.6494	0.0036	0.225	69 30 31.7	0.283	0.970	0.03	74.6	179 205	69 368
1004	8.0	4 10.33	6.5919	0.0045	0.217	69 12 13.6	0.365	0.961	0.04	73.6	87 205	69 369
1005	7.5	4 35.69	6.0402	0.0035	0.152	65 45 16.2	0.402	0.881	0.03	72.1	41 118	65 519
1006	9.1	6 4 41.85	+6.4684	−0.0048	−0.201	+ 68 30 57.8	−0.411	−0.943	+0.04	74.6	180 206	68 433
1007	9.5	4 44.81	6.4704	0.0049	0.201	68 31 39.4	0.415	0.943	0.04	76.8 76.1	180 207 284	68 434
1008	9.2	4 46.14	6.0562	0.0037	0.153	65 52 14.3	0.417	0.883	0.04	76.8	178 203 287	65 520
1009	7.6	4 50.48	6.4404	0.0049	0.198	68 21 16.4	0.424	0.939	0.04	76.8 77.1	180 207 287	68 435
1010	7.7	4 59.14	5.9214	0.0035	0.140	64 52 0.7	0.436	0.863	0.04	73.5	87 118 208	64 575
1011	4.6	6 5 4.14	+6.6207	−0.0057	−0.221	+ 69 21 35.4	−0.443	−0.965	+0.04		Fund. Cat. [2]	69 371
1012	9.1	5 23.70	6.6854	0.0063	0.230	69 41 59.2	0.472	0.975	0.05	76.8	179 205 287	69 372
1013	8.4	5 28.24	6.3418	0.0053	0.186	67 45 56.5	0.479	0.924	0.04	74.6	180 207	67 420
1014	6.1	5 44.29	6.6677	0.0067	0.227	69 36 31.4	0.502	0.972	0.05	74.6	179 205	69 373
1015	6.5	6 7.29	6.5029	0.0065	0.205	68 42 56.8	0.536	0.948	0.05	76.8 77.1	180 207 284	68 436
1016	9.3	6 6 13.11	+6.5625	−0.0069	−0.213	+ 69 2 50.8	−0.544	−0.957	+0.05	74.8	179 205 207	69 374
1017	9.1	6 21.73	6.1745	0.0056	0.166	66 41 38.3	0.557	0.900	0.05	72.1	41 118	66 437
1018	8.1	6 43.48	6.3697	0.0067	0.189	67 56 19.9	0.588	0.928	0.05	73.6	87 206	67 422
1019	9.1	6 52.00	6.5764	0.0077	0.215	69 7 29.9	0.601	0.958	0.06	76.8	179 205 284	69 375
1020	9.0	7 14.03	5.9612	0.0056	0.144	65 10 35.3	0.633	0.869	0.05	76.8	178 203 287	65 521
1021	8.7	6 7 48.34	+6.0274	−0.0064	−0.150	+ 65 40 10.9	−0.683	−0.878	+0.05	72.7	87 123	65 522
1022	8.8	7 51.49	6.1709	0.0071	0.165	66 40 26.8	0.687	0.899	0.05	74.6	178 203	66 439
1023	8.2	7 54.11	6.0110	0.0064	0.149	65 33 1.5	0.691	0.876	0.05	73.6	87 206	65 523
1024	9.2	8 38.00	6.5373	0.0096	0.210	68 54 52.9	0.755	0.952	0.07	74.6	179 205	68 439
1025	9.4	8 46.70	6.5700	0.0099	0.214	69 5 44.2	0.768	0.957	0.07	73.6	121 178	69 377
1026	9.2	6 9 7.99	+6.5610	−0.0103	−0.213	+ 69 2 50.7	−0.799	−0.956	+0.07	73.6	121 178	69 378
1027	8.9	11 2.89	6.7637	0.0138	0.240	70 6 44.3	0.967	0.985	0.09	74.1	121 179 205	70 399
1028	8.4	11 36.87	5.9310	0.0092	0.140	64 57 52.6	1.016	0.864	0.07	75.4	87 118 284	64 580
1029	8.7	11 39.75	6.1535	0.0106	0.163	66 34 17.0	1.020	0.896	0.07	73.7	123 180	66 441
1030	9.2	11 58.26	6.7705	0.0151	0.240	70 8 58.1	1.047	0.986	0.09	75.9	121 179 205 287	70 400
1031	9.2	6 12 32.49	+6.6143	−0.0147	−0.218	+ 69 20 57.7	−1.097	−0.963	+0.09	73.6	121 178	69 379
1032	9.2	13 18.75	6.0035	0.0112	0.147	65 31 8.4	1.164	0.874	0.08	75.5	41 118 284	65 525
1033	9.0	14 28.18	6.6005	0.0169	0.217	69 17 5.2	1.265	0.960	0.10	72.8	43 121 179	69 380
1034	9.2	14 43.14	6.6273	0.0174	0.220	69 25 45.7	1.287	0.964	0.11	74.6	180 205	69 382
1035	9.1	15 14.36	6.4180	0.0162	0.193	68 15 43.9	1.333	0.934	0.10	75.4	43 180 205 284	68 441
1036	9.1	6 15 32.61	+6.2741	−0.0153	−0.176	+ 67 23 0.9	−1.359	−0.912	+0.10	75.6	45 203 206 287	67 429
1037	9.2	15 55.16	6.0355	0.0138	0.150	65 46 6.1	1.392	0.878	0.09	75.1	41 118 284	65 527
1038	8.3	15 58.59	6.7365	0.0199	0.235	69 59 58.6	1.397	0.979	0.12	72.2	43 121	70 402
1039	8.9	16 10.89	6.0009	0.0137	0.146	65 31 2.3	1.415	0.872	0.09	73.2	41 118 208	65 528
1040	9.1	18 15.24	6.1671	0.0171	0.163	66 42 7.4	1.596	0.896	0.11	75.6	45 203 206 287	66 445
1041	9.3	6 18 16.10	+6.2562	−0.0180	−0.173	+ 67 17 13.9	−1.597	−0.909	+0.11	73.9 73.7	43 180 203 205	67 431
1042	8.2	18 36.68	5.9370	0.0153	0.139	65 3 16.2	1.627	0.862	0.10	72.2	45 127	65 530
1043	9.1	18 38.23	6.0029	0.0159	0.146	65 32 58.0	1.629	0.872	0.10	75.5	87 123 287	65 529
1044	7.5	18 40.62	5.9615	0.0156	0.142	65 14 27.9	1.632	0.866	0.10	75.5	87 127 284	65 531
1045	8.8	18 41.56	5.9261	0.0153	0.138	64 58 17.8	1.634	0.861	0.10	73.2	41 118 208	64 589
1046	9.2	6 18 43.79	+6.2777	−0.0187	−0.176	+ 67 25 40.5	−1.637	−0.912	+0.12	74.4	178 180 203	67 432
1047	8.7	18 57.83	6.0025	0.0162	0.146	65 32 57.0	1.657	0.873	0.10	72.2	45 123	65 532
1048	9.0	19 30.38	6.6168	0.0231	0.217	69 24 10.8	1.705	0.961	0.13	73.2	43 126 205	69 384
1049	8.8	19 35.56	6.2095	0.0188	0.168	66 59 38.1	1.712	0.902	0.12	73.5	87 126 206	67 433
1050	9.5	20 6.34	6.2016	0.0192	0.167	66 56 47.0	1.757	0.900	0.12	73.2	45 118 208	66 446

[1] 9m.2 praec. 7s A. 10″..20″ [2] E.B. −0s.0009 −0″.111

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
1051	7.4	$6^h\,21^m\,49^s.26$	+5ˢ.9751	−0ˢ.0185	−0ˢ.143	+ 65°22′ 10″.3	−1″.906	−0″.867	+0″.12	71.5	1 41 118	65°533
1052	9.1	22 6.65	6.2307	0.0216	0.170	67 9 10.8	1.932	0.904	0.13	73.2	43 123 208	67 434
1053	9.1	22 23.90	6.2324	0.0219	0.170	67 9 59.6	1.957	0.904	0.13	72.2	45 123	67 436
1054	8.3	22 38.94	6.4860	0.0252	0.200	68 42 27.8	1.979	0.940	0.15	72.7	87 121	68 442
1055	8.0	23 12.82	6.6202	0.0276	0.217	69 26 58.7	2.028	0.960	0.16	72.2	43 121	69 385
1056	9.3	6 23 40.15	+6.4908	−0.0264	−0.200	+ 68 44 38.4	−2.067	−0.941	+0.15	77.4	87 205 284 288	68 443
1057	8.6	23 47.78	6.0754	0.0214	0.152	66 7 1.1	2.078	0.880	0.13	75.1	41 118 208 287	66 451
1058	9.0	24 29.26	6.0529	0.0218	0.150	65 57 49.0[1]	2.139	0.877	0.13	73.9 75.2	1α 45 127 288	65 535
1059	9.2	24 51.53	6.4277	0.0269	0.192	68 23 29.3	2.171	0.931	0.16	74.2	126 178 179 205	68 445
1060	8.9	25 6.10	6.5037	0.0283	0.201	68 49 45.8	2.192	0.942	0.16	73.7	128 178	68 446
1061	8.3	6 25 36.04	+6.2305	−0.0251	−0.169	+ 67 11 3.6	−2.235	−0.902	+0.15	72.2	45 128	67 440
1062	7.5	26 3.71	5.8993	0.0213	0.134	64 49 58.2	2.276	0.854	0.13	73.7	127 178	64 593
1063	7.7	26 48.79	6.0917	0.0244	0.153	66 15 45.6	2.341	0.881	0.15	71.5 71.8	1 45 128	66 455
1064	7.8[2]	27 9.42	6.2656	0.0272	0.172	67 25 33.0	2.371	0.906	0.16	76.2	126 179 288	67 441
1065	9.2	27 32.43	6.1593	0.0260	0.160	66 44 3.3	2.404	0.891	0.15	76.6 76.8	178 206 207 288	66 456
1066	8.5	6 28 1.71	+6.4850	−0.0313	−0.198	+ 68 45 9.9	−2.446	−0.938	+0.18	73.7	126 179	68 447
1067	8.9	28 5.10	6.2256	0.0275	0.167	67 10 42.7	2.451	0.900	0.16	73.7	128 180	67 442
1068	7.2	28 40.93	5.9289	0.0239	0.137	65 5 32.2	2.503	0.857	0.15	72.4	1 45 127 208	65 537
1069	8.2	28 48.98	5.9345	0.0241	0.137	65 8 12.1	2.515	0.858	0.15	72.2	46 127	65 538
1070	9.3	28 49.23	6.1205	0.0267	0.156	66 29 5.0	2.515	0.885	0.16	76.8 77.1	178 207 284	66 457
1071	8.9	6 29 2.19	+5.9391	−0.0243	−0.141	+ 65 10 27.4	−2.534	−0.858	+0.15	72.2	41 127	65 539
1072	8.6	29 12.45	6.1901	0.0281	0.163	66 57 31.9	2.549	0.894	0.17	75.5	87 128 287	66 458
1073	8.7	29 15.66	6.0555	0.0262	0.149	66 2 3.9	2.553	0.875	0.16	73.2	46 205	66 459
1074	6.8	29 50.55	6.0934	0.0273	0.152	66 18 31.1	2.604	0.880	0.16	73.2	45 205	66 460
1075	9.0	30 6.95	6.2717	0.0303	0.172	67 29 50.5	2.628	0.906	0.18	72.9	43 126 180	67 443
1076	9.3	6 30 15.73	+6.1283	−0.0282	−0.156	+ 66 33 20.3	−2.640	−0.885	+0.17	73.2	45 127 208	66 461
1077	8.6	30 41.36	5.9344	0.0257	0.137	65 9 33.2	2.677	0.857	0.16	71.5	1 41 128	65 541
1078	9.2	31 22.41	6.2607	0.0314	0.170	67 26 33.1	2.737	0.903	0.18	72.9	43 126 180	67 444
1079	7.7	31 30.90	6.1051	0.0291	0.153	66 24 40.1	2.749	0.881	0.17	72.2	41 87 127	66 463
1080	8.9	33 6.95	6.2428	0.0329	0.167	67 20 59.8	2.888	0.900	0.19	72.9 72.6	41 87 118 206	67 446
1081	7.8	6 33 40.46	+6.6575	−0.0410	−0.217	+ 69 45 7.7	−2.936	−0.959	+0.23	74.9	43 126 180 284	69 389
1082	7.9	34 30.88	6.1862	0.0333	0.161	66 59 59.6	3.009	0.891	0.19	72.9 72.6	41 87 118 206	67 447
1083	9.3	34 40.94	6.1897	0.0335	0.161	67 1 30.0	3.023	0.891	0.19	76.6	43 126 284 287	67 448
1084	9.5	34 41.37	6.1955	0.0336	0.162	67 3 48.7	3.024	0.892	0.20	73.2	45 126 205	67 449
1085	9.2	35 29.39	6.2174	0.0349	0.164	67 13 4.8	3.093	0.895	0.20	73.2	45 127 208	67 450
1086	9.2	6 36 7.97	+6.2001	−0.0352	−0.162	+ 67 6 51.3	−3.149	−0.892	+0.20	72.2	46 87 127	67 451
1087	8.4	36 17.78	6.6266	0.0437	0.211	69 37 22.7	3.163	0.953	0.24	72.2	43 126	69 390
1088	7.7	36 27.08	5.8881	0.0299	0.130	64 52 57.7	3.176	0.846	0.18	73.2	41 118 208	64 602
1089	7.3	36 57.35	6.2809	0.0376	0.170	67 38 40.1	3.220	0.903	0.22	72.2	46 128	67 452
1090	8.7	36 57.91	5.9009	0.0306	0.131	64 59 26.7	3.221	0.848	0.18	74.4 74.3	1 45 207 287	65 543
1091	8.7	6 37 18.92	+6.2023	−0.0364	−0.161	+ 67 8 44.2	−3.251	−0.891	+0.21	75.2	46 127 284	67 453
1092	8.0	37 50.02	6.0925	0.0348	0.150	66 24 42.4	3.296	0.875	0.20	73.2	46 127 208	66 467
1093	8.0	37 50.56	6.3951	0.0408	0.182	68 21 11.1	3.296	0.919	0.23	73.7	128 180	68 453
1094	5	37 54.59	6.2886	0.0387	0.170	67 42 22.4	3.302	0.903	0.22	72.7[3]	87 129	67 454
1095	9.0	38 1.78	6.2505	0.0381	0.166	67 28 2.6	3.312	0.898	0.22	72.2	45 128	67 455
1096	9.0	6 38 55.11	+6.2672	−0.0393	−0.168	+ 67 35 14.2	−3.389	−0.899	+0.23	73.2 72.8	46 128 207	67 457
1097	9.1	38 57.09	6.2309	0.0386	0.164	67 21 20.0	3.392	0.894	0.22	73.2 72.5	45 207	67 456
1098	9.0	39 57.84	6.6115	0.0479	0.207	69 35 37.8	3.479	0.948	0.26	73.7	126 180	69 392
1099	9.2	40 4.86	6.6681	0.0493	0.214	69 53 27.3	3.489	0.956	0.27	73.7	126 180	69 393
1100	5.1	40 12.93	6.5070	0.0458	0.194	69 1 47.4	3.501	0.933	0.25		Fund. Cat. [4]	69 394

[1] δ Z. 1 ausgeschlossen [2] Einfach [3] E.B. +0ˢ.003 +0″.016 [4] E.B. +0ˢ.0002 +0″.038

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1101	8.4[1]	6h 40m 22s.11	+6s.2288	−0s.0400	−0s.163	+ 67° 21′ 50″.8	−3″.514	−0″.893	+0″.23	71.5 71.8	1 46 128	67° 458
1102	8.6	40 44.39	6.6528	0.0498	0.212	69 49 17.3	3.546	0.953	0.27	73.7	126 180	69 396
1103	8.9	41 0.62	5.9348	0.0347	0.133	65 19 1.0	3.569	0.850	0.21	72.2	45 127	65 546
1104	8.5	41 7.61	6.1072	0.0383	0.150	66 33 57.5	3.579	0.875	0.22	74.2	128 180 208	66 469
1105	8.5	41 12.05	6.0713	0.0376	0.146	66 19 2.8	3.586	0.870	0.22	73.7	129 180	66 470
1106	9.4	6 41 24.05	+6.1675	−0.0398	−0.156	+ 66 58 44.0	−3.603	−0.883	+0.23	76.8	179 207 288	67 460
1107	7.8	41 25.84	6.3934	0.0447	0.180	68 23 47.7	3.606	0.916	0.25	72.7	89 129	68 454
1108	7.5	41 28.49	5.9114	0.0347	0.131	65 8 46.5	3.609	0.847	0.21	75.2	46 127 288	65 547
1109	8.7	42 15.76	6.0424	0.0380	0.143	66 7 51.9	3.677	0.865	0.22	75.2	45 127 288	66 472
1110	8.6	42 32.45	6.2272	0.0422	0.161	67 23 21.4	3.701	0.891	0.24	73.2	46 127 208	67 461
1111	7.5	6 43 43.09	+6.3786	−0.0468	−0.177	+ 68 20 44.3	−3.802	−0.912	+0.26	72.2	45 126	68 456
1112	7.7	44 49.72	6.4050	0.0488	0.179	68 31 12.7	3.898	0.915	0.27	72.9	46 126 179	68 457
1113	8.6	45 39.71	6.0250	0.0408	0.139	66 4 2.0	3.969	0.860	0.24	75.2	46 127 208 288	66 475
1114	7.4	45 43.11	6.4700	0.0514	0.186	68 54 35.5	3.974	0.923	0.28	72.7	89 126	68 458
1115	8.5	45 50.75	5.9381	0.0391	0.131	65 25 48.2	3.985	0.847	0.23	72.9 72.2	1 45 206 207	65 550
1116	8.8	6 46 36.56	+6.3998	−0.0506	−0.178	+ 68 31 14.1	−4.050	−0.912	+0.28	73.7	128 180	68 459
1117	9.1	47 5.30	6.4330	0.0520	0.181	68 43 19.3	4.091	0.917	0.29	73.7	126 179	68 460
1118	8.8	47 26.06	5.8524	0.0386	0.123	64 47 50.3	4.121	0.834	0.23	72.2	45 127	64 610
1119	6	47 26.08	6.2301	0.0473	0.159	67 29 38.2	4.121	0.888	0.27	72.4	1 46 128 208	67 466
1120	8.6	47 39.83	6.3093	0.0495	0.167	67 59 45.2	4.141	0.899	0.28	76.2	127 179 288	68 461
1121	6.9	6 48 1.81	+6.6287	−0.0583	−0.203	+ 69 48 42.6	−4.172	−0.944	+0.31	73.2	86 126 180	69 398
1122	8.4	48 8.09	6.4140	0.0527	0.178	68 37 49.8	4.181	0.913	0.29	72.2	46 127	68 462
1123	8.3	48 47.76	6.2123	0.0483	0.156	67 24 18.9	4.238	0.884	0.27	81.1	288	[67 468]
1124	8.5	48 53.95	6.5932	0.0584	0.198	69 38 23.6	4.246	0.938	0.31	73.2	86 126 180	69 399
1125	7.3	49 8.11	6.5435	0.0573	0.192	69 22 37.3	4.267	0.931	0.31	73.5	89 128 205	69 400
1126	9.3	6 49 45.83	+6.5835	−0.0592	−0.197	+ 69 36 14.8	−4.320	−0.936	+0.32	73.2	86 126 128 179	69 401
1127	7.8	49 46.04	5.9936	0.0439	0.134	65 55 12.3	4.321	0.852	0.24	71.5	1 45 120	65 553
1128	7.3	50 49.77	6.2411	0.0511	0.158	67 37 46.6	4.411	0.886	0.29	75.2	46 127 288	67 470
1129	7.9	50 59.06	6.4816	0.0578	0.184	69 4 9.8	4.425	0.920	0.31	74.9	86 126 129 288	69 402
1130	9.5[2]	51 10.19	5.9644	0.0445	0.131	65 44 4.3	4.440	0.846	0.26	75.1	45 120 284	65 554
1131	9.2	6 53 9.94	+6.2203	−0.0530	−0.155	+ 67 32 38.2	−4.611	−0.881	+0.29	72.8	45 120 179	67 473
1132	8.9	55 10.47	6.0114	0.0493	0.133	66 9 58.1	4.781	0.849	0.28	75.2	45 120 288	66 479
1133	9.0	55 24.53	6.1472	0.0533	0.146	67 6 49.1	4.801	0.868	0.30	74.9	46 126 179 284	67 475
1134	8.0	55 40.75	6.2020	0.0551	0.151	67 28 47.5	4.824	0.876	0.31	72.2	46 127	67 476
1135	8.2	56 1.78	6.5508	0.0659	0.188	69 32 56.7	4.854	0.925	0.35	72.7	86 126	69 404
1136	8.2	6 56 13.82	+6.0186	−0.0505	−0.133	+ 66 14 31.9	−4.871	−0.849	+0.29	72.2	45 127	66 480
1137	8.2	56 29.67	6.0056	0.0504	0.132	66 9 15.9	4.894	0.847	0.29	72.5	46 120 129	66 481
1138	9.2	56 55.31	6.1191	0.0540	0.142	66 57 29.2	4.930	0.863	0.30	72.7	86 127	66 482
1139	8.4	56 56.16	6.4094	0.0626	0.172	68 46 38.8	4.931	0.904	0.34	73.2	86 126 179	68 464
1140	8.3	57 15.97	6.4624	0.0647	0.177	69 5 13.8	4.959	0.911	0.35	72.5	86 89 126	69 405
1141	8.9	6 57 18.63	+5.9912	−0.0508	−0.130	+ 66 4 12.5	−4.963	−0.844	+0.29	71.5	1 45 127	66 483
1142	8.5	57 39.27	6.0028	0.0514	0.131	66 9 42.5	4.992	0.846	0.29	72.2	46 120	66 484
1143	9.2	57 47.93	6.0429	0.0527	0.135	66 27 5.8	5.004	0.851	0.30	73.2	86 127 179	66 485
1144	9.1	58 22.60	6.0504	0.0535	0.135	66 31 6.8	5.053	0.852	0.30	74.9	45 120 179 284	66 486
1145	8.9	59 54.67	6.4702	0.0680	0.176	69 11 19.2	5.183	0.909	0.36	72.2	46 89 126	69 410
1146	7.5	7 0 11.92	+6.0869	−0.0563	−0.137	+ 66 48 56.7	−5.207	−0.855	+0.31	72.2 71.9	1 45 120 129	66 487
1147	7.0	1 33.67	6.4317	0.0687	0.170	69 0 29.5	5.322	0.902	0.37	72.2	46 89 126	69 413
1148	9.4	1 58.63	6.0873	0.0581	0.136	66 51 44.7	5.357	0.853	0.32	72.2	45 120	66 488
1149	9.0	2 15.35	6.2371	0.0631	0.150	67 51 23.3	5.381	0.874	0.34	73.2	86 127 179	67 480
1150	9.4	2 35.46	6.0709	0.0581	0.134	66 45 54.2	5.409	0.850	0.32	72.2	46 127	66 490

[1] Var.? [2] 9m.6 seq. 12s.2 B. 20″

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1151	8.2	$7^h\ 3^m 49^s.39$	+6ˢ.1447	−0ˢ.0617	−0ˢ.140	+ 67°17′ 47″.8	−5″.513	−0″.859	+0″.34	72.2	46 127	67°481
1152	7.0	3 58.01	5.8271	0.0520	0.112	64 59 24.6	5.525	0.815	0.30	74.4 73.9	1 45 120 288	65 562
1153	8.8	4 14.93	6.0239	0.0583	0.129	66 28 42.0	5.549	0.842	0.33	72.7	89 127	66 491
1154	8.8	4 42.40	6.4095	0.0716	0.165	68 57 20.6	5.587	0.895	0.38	73.4	86 126 179 180	68 468
1155	9.5	4 59.70	6.4083	0.0719	0.164	68 57 20.8[1]	5.611	0.895	0.39	72.9 73.7	46α 126 180	68 469
1156	9.3	7 5 34.70	+6.1251	−0.0629	−0.137	+ 67 12 40.3	−5.660	−0.855	+0.35	75.1	45 120 284	67 482
1157	9.0	5 36.63	6.2771	0.0680	0.151	68 11 21.2	5.663	0.876	0.37	72.7	86 126	68 470
1158	7.5	6 34.78	6.0844	0.0625	0.132	66 57 45.2	5.744	0.848	0.35	75.2	45 120 288	66 493
1159	7.9	7 21.29	6.3648	0.0731	0.158	68 45 43.5	5.809	0.886	0.39	73.5	86 128 208	68 472
1160	8.9	7 59.33	5.8133	0.0550	0.109	64 59 38.5	5.862	0.808	0.31	76.6	45 120 284 288	65 565
1161	9.1	7 8 10.32	+6.5642	−0.0815	−0.177	+ 69 53 40.8	−5.878	−0.913	+0.43	72.7	86 126	69 417
1162	8.2	8 16.97	6.2169	0.0688	0.143	67 52 56.8	5.887	0.864	0.37	72.2	46 127	67 483
1163	9.0	8 28.23	6.3508	0.0739	0.156	68 42 29.7	5.903	0.883	0.39	73.5	86 129 208	68 473
1164	8.9	8 36.91	5.8968	0.0583	0.115	65 39 49.5	5.915	0.819	0.33	72.2	46 127	65 566
1165	9.0	9 25.59	5.8490	0.0574	0.111	65 19 7.1	5.983	0.812	0.33	72.2	45 120	65 567
1166	8.7	7 10 37.72	+5.8650	−0.0590	−0.112	+ 65 28 44.8	−6.083	−0.812	+0.33	75.1	45 120 284	65 569
1167	7.9	10 43.13	6.1412	0.0687	0.134	67 27 32.0	6.090	0.851	0.37	72.2	46 127	67 485
1168	8.9	10 44.03	6.3667	0.0771	0.155	68 51 41.6	6.092	0.882	0.41	75.5	89 129 288	68 475
1169	7.9	11 8.31	6.2463	0.0730	0.143	68 8 42.9	6.125	0.865	0.39	72.7	89 129	68 476
1170	9.2	11 15.89	5.8829	0.0602	0.112	65 38 11.4	6.136	0.814	0.34	72.2	46 127	65 570
1171	8.9	7 12 6.12	+6.3818	−0.0792	−0.155	+ 68 59 10.6	−6.206	−0.882	+0.42	75.5	86 126 288	69 419
1172	8.6	12 19.72	6.5062	0.0845	0.167	69 41 25.8	6.224	0.899	0.44	73.5	89 126 208	69 420
1173	7.3	12 24.23	5.9364	0.0631	0.116	66 4 26.9	6.231	0.820	0.35	75.1	45 120 284	66 498
1174	6.9	12 31.44	6.1219	0.0698	0.131	67 22 56.6	6.241	0.846	0.38	72.7	89 127	67 486
1175	8.2	12 55.61	6.5090	0.0853	0.166	69 43 17.3	6.274	0.899	0.44	72.7	86 126	69 422
1176	9.1	7 13 19.05	+5.9842	−0.0656	−0.119	+ 66 27 3.7	−6.307	−0.826	+0.36	76.7	46 120 288 291	66 501
1177	8.9	14 21.15	5.8268	0.0610	0.106	65 17 44.3	6.393	0.803	0.34	75.2	45 127 284	65 571
1178	7.9	14 45.17	5.8114	0.0608	0.105	65 11 11.5	6.426	0.800	0.34	72.4 72.7	46α 89 120	65 572
1179	9.2	14 59.85	6.3313	0.0806	0.148	68 46 16.3	6.446	0.872	0.43	72.7	86 126	68 478
1180	6.6	15 2.57	5.9940	0.0676	0.118	66 34 26.3	6.450	0.825	0.37	73.7	129 179	66 502
1181	8.4	7 15 9.85	+6.1916	−0.0753	−0.135	+ 67 54 54.8	−6.460	−0.852	+0.40	73.7	129 179	67 487
1182	7.3	15 38.44	6.0142	0.0690	0.119	66 44 10.8	6.499	0.827	0.38	76.2	127 179 288	66 503
1183	7.9	15 52.78	6.0677	0.0713	0.124	67 6 58.5	6.519	0.834	0.39	72.7	86 129	67 488
1184	8.6	16 4.08	6.1511	0.0746	0.131	67 40 48.2	6.535	0.845	0.40	76.2	130 179 288	67 489
1185	9.0	16 16.86	6.0936	0.0726	0.125	67 18 17.3	6.552	0.837	0.39	73.7	129 179	67 490
1186	8.9	7 16 46.11	+5.7599	−0.0608	−0.100	+ 64 50 11.3	−6.593	−0.791	+0.34	72.2	46 127	64 632
1187	8.9	17 34.99	6.4006	0.0865	0.151	69 14 55.9	6.660	0.878	0.45	72.7	86 129	69 425
1188	**6.0**	17 51.33	**6.3083**	**0.0829**	**0.142**	**68 43 2.8**	**6.682**	**0.865**	**0.44**		**Fund. Cat.[2]**	**68 480**
1189	9.3	18 28.18	5.8712	0.0663	0.106	65 46 30.6	6.733	0.804	0.37	75.2	46 127 288	65 573
1190	7.6	18 35.31	6.0487	0.0732	0.120	67 4 13.9	6.743	0.828	0.40	72.7	86 129	67 492
1191	7.0	7 19 6.64	+5.9503	−0.0699	−0.112	+ 66 23 17.7	−6.786	−0.814	+0.38	73.7	130 179	66 508
1192	7.9	19 45.49	5.7512	0.0630	0.097	64 52 2.1	6.839	0.786	0.35	72.2	46 127	64 636
1193	9.3	20 5.31	5.8629	0.0675	0.105	65 45 59.4	6.866	0.800	0.37	76.2	129 179 288	65 574
1194	9.2	20 24.73	5.8655	0.0679	0.105	65 47 49.5	6.893	0.800	0.37	75.2	46 130 291	65 575
1195	7.4	20 28.11	6.0580	0.0755	0.119	67 11 43.6	6.897	0.827	0.41	75.4	89 130 208 288	67 493
1196	8.9	7 20 35.28	+6.2855	−0.0851	−0.139	+ 68 39 49.0	−6.907	−0.858	+0.45	75.5	86 130 288	68 484
1197	9.1	22 11.40	6.4847	0.0959	0.153	69 51 14.6	7.039	0.883	0.49	73.2	86 126 180	69 430
1198	9.0	22 50.47	6.1211	0.0806	0.122	67 41 52.1	7.092	0.832	0.43	72.2	46 129	67 496
1199	8.5	22 54.93	5.9661	0.0742	0.110	66 37 53.5	7.098	0.811	0.40	75.2	45 127 291	66 511
1200	8.5	23 2.13	5.8722	0.0705	0.103	65 56 23.8	7.108	0.798	0.39	76.1	120 176 288	65 576

[1] δ Z. 46 ausgeschlossen [2] E.B. +0ˢ.0027 −0ˢ.074

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
1201	8.7	$7^h\,23^m\,2^s.76$	+6ˢ.1231	−0ˢ.0809	−0ˢ.122	+ 67°43′ 5″.8	−7″.109	−0″.832	+0″.43	72.7	86 129	67°497
1202	9.0	23 22.98	5.8616	0.0704	0.102	65 52 14.6	7.136	0.796	0.39	75.2	45 120 291	65 577
1203	7.4	23 43.99	5.9768	0.0754	0.110	66 44 10.3	7.165	0.811	0.41	75.2	46 130 208 288	66 512
1204	7.7	24 27.47	6.0023	0.0772	0.111	66 56 34.7	7.224	0.814	0.42	72.9	45 129 180	66 513
1205	7.3	24 36.03	5.7912	0.0687	0.096	65 21 50.6	7.236	0.785	0.38	73.6	120 176	65 579
1206	8.9	7 24 48.57	+5.8087	−0.0696	−0.097	+ 65 30 38.5	−7.253	−0.787	+0.39	75.2	46 127 291	65 581
1207	8.4	25 7.56	5.8186	0.0703	0.097	65 36 1.4	7.279	0.788	0.39	73.6	127 176	65 583
1208	7.8	25 22.16	6.2703	0.0899	0.131	68 43 29.2	7.299	0.849	0.47	72.7	86 130	68 488
1209	8.0	25 28.61	5.7318	0.0672	0.091	64 54 49.2	7.307	0.775	0.37	72.2	45 120	64 640
1210	9.3	25 53.34	6.2664	0.0903	0.130	68 43 7.0	7.341	0.847	0.47	72.7	86 130	68 489
1211	8.0	7 26 8.98	+6.4161	−0.0976	−0.142	+ 69 35 57.8	−7.362	−0.867	+0.50	72.7	89 126	69 432
1212	6.6	26 13.35	5.9332	0.0760	0.104	66 30 32.9	7.368	0.802	0.41	76.7	46 127 288 291	66 514
1213	8.8	26 17.83	5.9259	0.0758	0.104	66 27 28.3	7.374	0.801	0.41	76.1	129 176 288	66 515
1214	8.7	26 25.81	5.9784	0.0782	0.107	66 50 34.5	7.385	0.808	0.42	72.9	45 130 180	66 516
1215	7.9	26 33.84	6.0468	0.0813	0.112	67 19 32.6	7.396	0.817	0.43	72.7	89 130	67 499
1216	9.2	7 26 35.19	+6.4395	−0.0993	−0.143	+ 69 44 36.9	−7.398	−0.870	+0.51	73.5	89 126 208	69 433
1217	9.0	26 48.10	6.4610	0.1006	0.145	69 52 7.4	7.415	0.872	0.51	72.7	86 126	69 434
1218	8.4	27 39.11	5.9325	0.0774	0.103	66 33 20.3	7.484	0.800	0.42	72.2	46 127	66 517
1219	9.2	27 40.32	6.3973	0.0986	0.138	69 32 36.2	7.486	0.862	0.51	72.7	86 126	69 435
1220	8.8	27 44.76	5.7268	0.0689	0.089	64 57 33.5	7.492	0.772	0.38	72.2	45 120	64 643
1221	8.6	7 27 50.17	+5.9008	−0.0762	−0.101	+ 66 19 42.6	−7.499	−0.795	+0.41	73.2	89 129 180	66 518
1222	8.8	28 45.67	6.0383	0.0831	0.109	67 20 47.1	7.574	0.812	0.44	75.2	46 127 208 288	67 500
1223	8.0	29 12.43	6.1109	0.0869	0.114	67 50 58.9	7.610	0.821	0.46	73.7	129 176	67 501
1224	8.1	29 33.88	5.9166	0.0786	0.100	66 30 38.8	7.639	0.795	0.42	72.8	45 120 180	66 519
1225	7.8	29 49.65	6.4612	0.1045	0.141	69 58 8.2	7.661	0.868	0.53	72.7	86 126	70 471
1226	6.9	7 30 5.40	+6.3971	−0.1016	−0.135	+ 69 37 23.1	−7.682	−0.859	+0.52	72.7	89 126	69 436
1227	8.6	30 10.84	6.1915	0.0917	0.117	68 24 12.3	7.689	0.831	0.48	72.7	86 130	68 491
1228	8.6	30 39.17	6.1098	0.0884	0.113	67 53 42.5	7.727	0.819	0.46	73.2	46 129 208	67 504
1229	8.3	30 55.57	5.7516	0.0727	0.089	65 17 13.4	7.749	0.770	0.40	72.2	45 120	65 585
1230	8.1	30 59.12	5.7873	0.0743	0.091	65 34 33.1	7.754	0.775	0.41	73.7	127 176	65 586
1231	9.0	7 31 25.37	+6.2369	−0.0953	−0.121	+ 68 43 46.2	−7.789	−0.835	+0.49	73.5	86 130 208	68 492
1232	9.3	31 32.92	5.9037	0.0799	0.097	66 29 28.1	7.799	0.790	0.43	72.7	89 130	66 521
1233	9.1	31 46.85	5.8008	0.0756	0.091	65 42 50.6	7.818	0.776	0.41	72.2	46 120	65 587
1234	8.5	31 53.70	5.9360	0.0817	0.099	66 44 26.7	7.827	0.794	0.44	73.7	129 176	66 522
1235	8.4	32 6.85	5.8008	0.0759	0.090	65 43 39.3	7.845	0.775	0.41	72.2	45 120	65 588
1236	9.1	7 32 31.88	+5.7641	−0.0747	−0.088	+ 65 27 9.5	−7.879	−0.770	+0.41	74.9	46 127 180 291	65 589
1237	9.1	33 2.81	5.7502	0.0745	0.087	65 21 41.4	7.920	0.767	0.41	72.9	45 129 180	65 590
1238	8.0	33 17.70	5.9875	0.0854	0.101	67 9 45.1	7.940	0.799	0.45	72.7	86 130	67 506
1239	8.0	33 56.77	5.7032	0.0733	0.083	65 0 42.4	7.992	0.759	0.40	72.2	46 120	65 591
1240	...[1]	33 59.34	5.7567	0.0756	0.086	65 27 7.3	7.996	0.767	0.41	72.2	45 127	65 592
1241	7.3	7 34 0.89	+6.3432	−0.1036	−0.125	+ 69 27 10.0	−7.998	−0.845	+0.53	72.7	89 126	69 438
1242	9.2	34 20.80	6.2266	0.0982	0.116	68 46 21.1	8.024	0.829	0.51	75.5	86 130 288	68 495
1243	8.3	34 31.44	6.2400	0.0990	0.117	68 51 37.3	8.039	0.830	0.51	75.4	89 130 208 288	68 496
1244	6.5	34 42.19	5.7905	0.0778	0.087	65 45 3.6	8.053	0.770	0.42	73.7[2]	129 176	65 593
1245	9.1	35 2.20	5.8232	0.0796	0.089	66 1 11.9	8.080	0.774	0.43	75.2	46 120 288	66 523
1246	9.2	7 35 54.97	+5.9510	−0.0864	−0.096	+ 67 0 25.1	−8.150	−0.790	+0.46	75.2	86 127 180 291	67 508
1247	9.1	35 58.57	5.9002	0.0840	0.093	66 38 25.0	8.155	0.783	0.45	72.5	46 120 129	66 524
1248	9.0	36 15.63	6.1465	0.0963	0.108	68 20 32.7	8.178	0.815	0.49	73.2	89 126 181	68 497
1249	9.0	36 51.34	5.9562	0.0875	0.095	67 4 53.1	8.225	0.789	0.46	72.9	45 127 180	67 510
1250	8.3	36 58.17	6.2789	0.1040	0.117	69 11 7.3	8.234	0.831	0.53	72.7	89 126	69 439

[1] Dupl. $7^m.3$ & $7^m.7$ med., 15″ 185° [2] E.B. +0ˢ.0040 +0″.022

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
1251	8.8	$7^h 37^m 37^s.98$	+6ˢ.2920	−0ˢ.1054	−0ˢ.117	+ 69° 17′ 14″.4	−8″.287	−0″.832	+0″.53	72.2	46 126	69° 440
1252	9.0	38 36.77	5.8135	0.0825	0.085	66 5 40.1	8.365	0.767	0.44	73.2	45 120 208	66 525
1253	9.1	39 32.91	5.8728	0.0862	0.088	66 35 5.9	8.439	0.773	0.46	75.2	45 120 291	66 526
1254	9.3	39 43.03	6.1591	0.1009	0.105	68 33 27.4	8.453	0.811	0.52	75.2	46 126 208 288	68 500
1255	8.7	39 43.63	6.1036	0.0980	0.101	68 12 6.5	8.454	0.804	0.50	73.2	86 127 181	68 501
1256	9.0	7 40 35.86	+6.1224	−0.0999	−0.101	+ 68 21 29.4	−8.523	−0.804	+0.51	76.2	127 180 291	68 503
1257	9.5	40 36.10	6.1627	0.1021	0.104	68 36 55.2	8.523	0.810	0.52	76.2	89 208 291	68 502
1258	9.3	40 51.54	6.1550	0.1019	0.103	68 34 36.5	8.543	0.808	0.52	72.5	46 86 126 129	68 504
1259	7.3	41 10.96	5.6903	0.0790	0.076	65 13 2.1	8.569	0.747	0.43	75.9	120 176 208 288	65 599
1260	8.9	41 14.55	6.1241	0.1007	0.101	68 23 42.8	8.574	0.804	0.52	/5.5	89 129 288	68 505
1261	8.8	7 41 17.15	+6.3263	−0.1118	−0.114	+ 69 37 32.7	−8.577	−0.830	+0.56	73.7	130 179	69 443
1262	9.3	41 40.80	6.1523	0.1027	0.102	68 35 34.3	8.608	0.807	0.52	73.5	126 129 180	68 507
1263	9.1	42 38.30	6.0646	0.0991	0.095	68 3 51.2	8.684	0.794	0.51	77.4	129 181 288 291	68 508
1264	8.1	42 49.98	5.8820	0.0899	0.085	66 47 38.0	8.699	0.769	0.47	73.6	120 176	66 528
1265	9.4	42 52.32	6.1137	0.1020	0.098	68 23 42.5	8.702	0.800	0.52	73.7	130 181	68 509
1266	8.2	7 43 27.99	+6.1383	−0.1040	−0.099	+ 68 34 36.2	−8.749	−0.802	+0.53	73.7	129 181	68 510
1267	8.0	43 44.17	6.2410	0.1100	0.105	69 13 19.3	8.770	0.815	0.55	73.7	130 180	69 445
1268	9.0	44 26.26	5.8850	0.0916	0.083	66 53 12.8	8.826	0.767	0.48	73.6	120 176	66 530
1269	8.7	44 26.64	6.2164	0.1095	0.102	69 6 7.1	8.826	0.810	0.55	76.2	130 181 291	69 448
1270	9.0	44 55.56	6.0065	0.0985	0.089	67 46 10.0	8.864	0.782	0.51	73.7	129 181	67 512
1271	9.0	7 45 29.31	+6.1591	−0.1075	−0.097	+ 68 47 31.6	−8.908	−0.801	+0.54	73.8	130 180α 181	68 511
1272	9.3	45 34.84	5.7539	0.0861	0.076	65 56 7.8	8.915	0.748	0.45	73.6	120 176	65 603
1273	9.6	45 53.68	5.8484	0.0912	0.080	66 40 47.2	8.940	0.760	0.48	73.2	129	— —
1274	8.8	46 9.09	5.9803	0.0985	0.086	67 38 34.5	8.960	0.776	0.51	73.7	130 181	67 515
1275	9.0	46 38.31	6.0511	0.1028	0.089	68 8 38.8	8.998	0.785	0.52	73.7	130 181	68 512
1276	9.0	7 46 51.86	+5.7601	−0.0876	−0.074	+ 66 2 40.0	−9.016	−0.746	+0.46	76.1	120 176 288	66 531
1277	8.2	47 8.11	6.2268	0.1133	0.100	69 16 34.5	9.037	0.807	0.57	73.7	129 180	69 450
1278	8.9	48 9.68	6.2680	0.1170	0.099	69 33 50.0	9.117	0.810	0.58	76.2	130 180 288	69 451
1279	7.2	48 47.19	5.6319	0.0828	0.066	65 4 54.7	9.166	0.727	0.45	73.6	120 176	65 606
1280	9.1	49 49.61	6.2814	0.1199	0.097	69 42 43.1	9.247	0.809	0.59	73.7	130 180	69 452
1281	9.2	7 50 1.07	+6.0992	−0.1093	−0.087	+ 68 36 24.3	−9.261	−0.785	+0.55	73.7	130 181	68 515
1282	9.1	50 31.29	6.0817	0.1089	0.086	68 30 58.6	9.300	0.782	0.55	73.7	130 180	68 516
1283	9.1	51 16.63	5.7955	0.0937	0.071	66 31 47.9	9.359	0.744	0.49	73.7	129 176	66 532
1284	7.6	51 29.01	5.6630	0.0868	0.065	65 28 42.8	9.375	0.726	0.46	73.7	129 176	65 607
1285	7.9	51 50.62	5.9972	0.1055	0.080	68 0 53.4	9.403	0.769	0.54	75.7	130 180 181 291	68 517
1286	8.7	7 52 34.07	+5.8313	−0.0969	−0.071	+ 66 51 49.3	−9.459	−0.746	+0.50	73.7	129 176	66 533
1287	9.0	52 48.27	5.8736	0.0995	0 073	67 11 18.8	9.477	0.751	0.51	73.7	129 181	67 519
1288	7.9	53 15.92	6.0966	0.1129	0.082	68 44 9.9	9.512	0.779	0.56	75.5 [1]	88 122 291	68 518
1289	9.0	53 32.85	5.8780	0.1005	0.072	67 15 22.0	9.534	0.750	0.52	73.9	124 180 181	67 520
1290	8.8	54 2.54	5.6186	0.0868	0.061	65 13 56.6	9.572	0.716	0.46	73.6	120 176	65 610
1291	9.1	7 54 50.25	+5.6951	−0.0916	−0.063	+ 65 54 44.6	−9.633	−0.724	+0.48	73.6	124 176	65 611
1292	8.9	55 39.41	5.9834	0.1089	0.074	68 5 58.2	9.696	0.760	0.55	72.9	88 122 130	68 520
1293	9.2	56 5.25	5.9721	0.1087	0.072	68 2 35.6	9.729	0.757	0.55	72.7	88 122	68 522
1294	9.0	56 36.91	5.7337	0.0954	0.062	66 18 46.2	9.770	0.726	0.50	73.6	124 176	66 536
1295	8.7	57 17.69	6.2400	0 1267	0.082	69 47 53.7	9.821	0.789	0.62	73.6	122 129 180	69 455
1296	6.0	7 57 21.01	+6.2882	−0.1300	−0.084	+ 70 4 45.6	−9.826	−0.795	+0.63	72.7	88 122	70 497
1297	9.0	57 22.36	6.2353	0.1265	0.082	69 46 25.0	9.827	0.788	0.62	73.7	130 180	69 456
1298	8.8	57 47.49	6.0020	0.1123	0.071	68 19 40.5	9.859	0.758	0.56	73.7	124 181	68 523
1299	7.5	57 49.90	5.6894	0.0941	0.059	66 1 13.3	9.862	0.718	0.49	73.6	120 176	66 537
1300	9.4	57 50.23	6.1815	0.1236	0.079	69 28 27.3	9.863	0.781	0.61	73.7	130 180	[69 457]

[1] E.B. −0ˢ.040 −0″.26 (s. Einl.)

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1301	8.3	$7^h\,58^m\,41^s.15$	+5ˢ.8868	−0ˢ.1064	−0ˢ.065	+ 67°34′ 20″.8	− 9″.927	−0″.742	+0″.54	73.7	129 180	67° 525
1302	9.0	58 51.01	5.6019	0.0901	0.055	65 20 38.3	9.940	0.705	0.48	73.6	124 176	65 612
1303	8.5	8 0 1.83	5.7199	0.0979	0.058	66 22 53.6	10.029	0.718	0.51	73.5	120 129 176	66 538
1304	5.1	0 20.76	6.0608	0.1190	0.070	68 50 21.2	10.053	0.760	0.59	75.5[1]	88 122 291	68 524
1305	9.1	1 31.11	5.5570	0.0900	0.050	65 6 0.0	10.142	0.695	0.48	76.1	120 176 291	65 615
1306	8.6	8 1 57.16	+5.7379	−0.1008	−0.056	+ 66 37 34.8	−10.175	−0.717	+0.52	73.7	124 180	66 539
1307	8.8	2 14.94	5.8926	0.1105	0.061	67 47 45.3	10.197	0.736	0.56	76.2	129 180 291	67 529
1308	9.1	2 31.86	5.5902	0.0928	0.050	65 26 46.0[2]	10.218	0.697	0.49	75.7 76.2	124 176α 182 291	65 618
1309	8.1	2 42.93	6.1890	0.1303	0.070	69 45 0.3	10.232	0.772	0.63	72.7	88 122	69 459
1310	7.5	3 56.48	5.7148	0.1014	0.053	66 33 8.1	10.324	0.710	0.52	73.5	120 129 176	66 541
1311	9.3	8 4 43.98	+6.2268	−0.1355	−0.068	+ 70 4 13.6	−10.384	−0.772	+0.65	72.7	88 122	70 503
1312	8.8	5 36.38	5.5159	0.0913	0.045	64 58 4.9	10.449	0.682	0.48	73.6	120 176	65 622
1313	8.3	6 0.31	6.0755	0.1267	0.060	69 12 55.2	10.479	0.751	0.61	72.7	88 122	69 461
1314	9.2	6 3.09	5.8048	0.1091	0.052	67 21 29.6	10.482	0.717	0.55	73.7	124 180	67 532
1315	8.8	6 30.84	5.5328	0.0931	0.044	65 10 20.0	10.517	0.683	0.49	73.6	120 176	65 623
1316	8.5	8 6 46.25	+5.6303	−0.0991	−0.047	+ 66 1 28.9	−10.536	−0.694	+0.51	76.2	124 180 288	66 544
1317	9.0	7 20.00	5.9629	0.1207	0.055	68 32 53.5	10.578	0.734	0.59	72.7	88 122	68 528
1318	9.1	8 2.56	5.9785	0.1226	0.054	68 41 24.4	10.630	0.735	0.60	73.7	129 180	68 529
1319	7.3	8 44.91	5.8607	0.1155	0.050	67 54 49.9	10.683	0.719	0.57	73.5	124 130 180	67 534
1320	8.5	9 3.05	5.5854	0.0985	0.043	65 46 45.7	10.705	0.684	0.51	73.8	120 176 183	65 625
1321	8.1	8 9 6.83	+6.0826	−0.1310	−0.055	+ 69 25 11.4	−10.710	−0.745	+0.62	76.9	88 122 289 291	69 462
1322	8.8	9 8.29	5.7666	0.1099	0.047	67 14 32.8	10.711	0.706	0.55	73.7	129 181	67 535
1323	7.7	9 33.12	5.5878	0.0991	0.042	65 49 45.7	10.742	0.684	0.50	75.6	120 176 183 291	65 626
1324	8.7	10 3.71	6.0570	0.1304	0.053	69 18 29.0	10.780	0.740	0.63	76.2	129 180 291	69 463
1325	9.1	10 13.89	5.8537	0.1167	0.048	67 56 45.3	10.792	0.715	0.58	76.2	124 182 288	67 536
1326	8.8	8 10 18.01	+5.8430	−0.1161	−0.047	+ 67 52 20.6	−10.797	−0.714	+0.58	73.7	129 182	67 537
1327	9.0	10 43.64	5.9099	0.1210	0.048	68 22 8.7	10.829	0.721	0.59	76.2	130 180 288	68 530
1328	7.7	10 49.14	5.7145	0.1082	0.043	66 56 13.4	10.835	0.697	0.54	73.7	130 182	67 538
1329	8.9	10 57.11	6.1720	0.1397	0.053	70 3 33.5	10.845	0.753	0.66	75.5	88 122 289	70 508
1330	8.3	11 3.78	5.9747	0.1258	0.049	68 49 32.7	10.853	0.728	0.61	76.2	129 182 289	68 531
1331	6	8 11 34.59	+6.0459	−0.1315	−0.050	+ 69 19 4.5	−10.891	−0.736	+0.63	72.7	88 122	69 464
1332	8.1	11 58.86	5.6068	0.1026	0.039	66 8 5.2	10.921	0.681	0.52	73.7	124 182	66 545
1333	8.2	12 22.94	5.5755	0.1010	0.038	65 53 41.5	10.950	0.677	0.51	73.6	120 176	65 628
1334	9.3	13 3.98	5.8132	0.1171	0.042	67 48 44.9	11.000	0.704	0.58	72.7	88 122	67 540
1335	8.8	13 7.00	5.6688	0.1076	0.039	66 42 36.1	11.004	0.686	0.54	73.7	129 183	66 548
1336	8.8	8 13 7.19	+5.5009	−0.0970	−0.036	+ 65 17 15.0	−11.004	−0.666	+0.50	76.2	124 182 288	65 629
1337	9.3	13 13.75	5.5666	0.1012	0.037	65 52 12.7	11.012	0.674	0.52	73.5 73.6	120α 124 176	65 630
1338	8.9	13 24.52	5.6732	0.1082	0.039	66 45 46.8	11.026	0.687	0.54	75.7	129 182 183 291	66 549
1339	8.1	13 58.90	5.4756	0.0962	0.035	65 6 49.1	11.067	0 661	0.50	73.6	120 176	65 632
1340	8.8	13 58.99	5.6835	0.1094	0.038	66 52 43.9	11.067	0.686	0.55	73.7	129 181	66 550
1341	8.1	8 14 12.71	+5.9746	−0.1296	−0.043	+ 68 59 55.2	−11.084	−0.721	+0.62	75.5	88 122 289	69 467
1342	9.0	14 33.54	5.9093	0.1254	0.042	68 34 42.7	11.109	0.713	0.61	73.7	130 180	68 532
1343	7.3	15 7.67	5.7800	0.1171	0.038	67 41 16.0	11.151	0.696	0.57	76.2	124 181 288	67 542
1344	8.6	15 34.87	5.4800	0.0979	0.033	65 15 19.2	11.184	0.659	0.50	75.6	120 176 183 291	65 633
1345	7.8	15 37.36	5.8719	0.1240	0.039	68 22 45.5	11.187	0.706	0.60	73.2	88 122 130 182	68 533
1346	9.3	8 16 5.43	+5.7202	−0.1140	−0.036	+ 67 17 29.2	−11.221	−0.687	+0.56	73.7	129 180	67 543
1347	9.1	16 26.14	5.5923	0.1059	0.035	66 17 8.8	11.246	0.670	0.56	76.2	124 181 288	66 551
1348	8.8	17 5.33	5.7213	0.1152	0.034	67 21 38.5	11.293	0.685	0.57	73.2	88 122 183	67 544
1349	8.3	17 28.72	5.6249	0.1091	0.032	66 37 14.6	11.321	0.672	0.54	73.5	120 130 176	66 553
1350	5.3	17 57.08	5.7599	0.1187	0.034	67 42 19.5	11.355	0.688	0.58	76.2	129 180 289	67 545

[1] E.B. −0ˢ.0002 +0ˢ.01 [2] δ Z. 176 ausgeschlossen

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1351	6.8	$8^h\ 18^m 34^s.05$	+5ˢ.9268	−0ˢ.1314	−0ˢ.034	+ 68° 55′ 36″.9	−11″.400	−0″.706	+0″.62	72.7	88 122	69° 470
1352	8.4	18 39.70	5.5044	0.1023	−0.029	65 40 18.3	11.407	0.655	0.52	73.7	124 181	65 634
1353	9.1	20 2.74	5.8163	0.1250	−0.031	68 14 45.9	11.506	0.690	0.60	73.7	130 182	68 534
1354	9.0	20 14.50	5.5026	0.1036	−0.027	65 45 32.0	11.520	0.652	0.52	76.2	124 181 289	65 635
1355	6.2	20 29.67	6.0343	0.1418	−0.032	69 44 13.6	11.538	0.715	0.66	72.7	88 122	69 472
1356	9.2	8 20 46.93	+6.0188	−0.1410	−0.031	+ 69 39 20.3	−11.559	−0.712	+0.66	72.7	88 122	69 473
1357	7.3	21 18.45	5.7334	0.1205	−0.028	67 42 41.7	11.596	0.677	0.58	76.2	130 182 289	67 549
1358	9.0	22 43.54	5.7082	0.1202	−0.025	67 36 33.0	11.697	0.671	0.58	73.7	130 182	67 550
1359	9.1	22 46.99	5.6700	0.1176	−0.025	67 19 0.1	11.701	0.667	0.57	73.7	130 182	67 551
1360	6	23 23.40	5.4577	0.1036	−0.023	65 34 6.1	11.744	0.640	0.52	73.6[1]	124 176	65 638
1361	8.0	8 23 33.02	+6.0487	−0.1469	−0.025	+ 70 0 12.3	−11.756	−0.710	+0.68	72.7	88 122	70 521
1362	9.0	23 53.87	5.5850	0.1128	−0.023	66 42 12.4	11.780	0.654	0.55	77.4	124 181 289 291	66 559
1363	8.6	23 54.69	5.5838	0.1127	−0.023	66 41 40.9	11.781	0.654	0.55	77.4	124 181 289 291	66 560
1364	8.7	24 10.37	5.5966	0.1138	−0.023	66 49 3.1	11.800	0.655	0.56	76.2	130 181 289	66 561
1365	9.2	24 43.35	5.5341	0.1100	−0.021	66 19 48.2	11.839	0.646	0.55	73.7	130 176	66 562
1366	8.9	8 26 27.64	+5.5195	−0.1107	−0.019	+ 66 19 20.6	−11.961	−0.641	+0.55	76.2	124 176 291	66 563
1367	7.9	27 2.49	5.9195	0.1412	−0.018	69 23 4.9	12.002	0.687	0.65	75.5	88 122 289	69 478
1368	8.8	27 24.32	5.9479	0.1439	−0.017	69 35 37.8	12.027	0.689	0.66	72.7	88 122	69 480
1369	9.1	27 35.61	5.8446	0.1359	−0.017	68 54 38.9	12.041	0.677	0.64	72.7	88 122	68 535
1370	5.8	28 4.40	5.4092	0.1046	−0.016	65 27 1.5	12.074	0.625	0.52	73.5[2]	124 130 176	65 643
1371	9.0	8 29 10.32	+5.3537	−0.1018	−0.015	+ 65 0 20.4	−12.151	−0.616	+0.51	72.2	42 124	65 645
1372	8.6	29 34.25[3]	5.5132	0.1133	−0.014	66 29 1.1	12.178	0.634	0.55	75.5 74.9	44 125[3] 176 291	66 567
1373	7.5	30 35.06	5.3577	0.1033	−0.013	65 8 49.0	12.249	0.614	0.52	71.7	42 91	65 648
1374	8.5	30 58.27	5.4168	0.1078	−0.012	65 43 43.3	12.276	0.620	0.53	72.5	44 124 130	65 649
1375	8.7	31 13.99	5.5052	0.1144	−0.012	66 31 55.2	12.294	0.629	0.56	74.2	125 176 209	66 571
1376	8.8	8 32 21.25	+5.3981	−0.1078	−0.011	+ 65 39 27.4	−12.371	−0.614	+0.53	72.9	42 91 209	65 650
1377	8.7	32 40.58	5.7634	0.1356	−0.007	68 39 55.5	12.393	0.656	0.63	76.9	88 122 289 291	68 537
1378	9.2	34 5.32	5.3088	0.1031	−0.009	64 56 7.4	12.490	0.600	0.51	72.5	42 91 176	65 653
1379	8.7	34 57.45	5.3182	0.1045	−0.008	65 5 37.7	12.549	0.600	0.52	72.9	44 91 209	65 655
1380	9.2	35 18.98	5.3936	0.1103	−0.006	65 50 8.4	12.574	0.607	0.54	74.9	42 124 181 291	65 657
1381	7.6	8 35 30.17	+5.3995	−0.1109	−0.006	+ 65 54 16.2	−12.587	−0.608	+0.54	76.2	124 176 291	65 658
1382	9.1	35 33.14	5.8254	0.1442	0.000	69 17 40.5	12.590	0.656	0.65	75.5	88 122 289	69 485
1383	9.1	35 33.99	5.3466	0.1071	−0.006	65 24 51.9	12.591	0.601	0.53	72.2	44 125	65 659
1384	9.4	35 35.68	5.7735	0.1399	−0.001	68 56 1.5	12.593	0.650	0.64	72.7	88 122	68 539
1385	9.5	35 39.54	5.7510	0.1382	−0.001	68 46 36.3	12.597	0.647	0.64	73.7	125 181	68 540
1386	9.0	8 36 10.75	+5.3164	−0.1055	−0.006	+ 65 10 12.9	−12.633	−0.597	+0.52	72.2	42 124	65 660
1387	8.9	36 25.30	5.2794	0.1031	−0.006	64 49 27.5	12.649	0.592	0.51	71.7	42 91	64 705
1388	8.9	36 27.24	5.3306	0.1068	−0.005	65 19 45.1	12.651	0.598	0.53	75.2	44 124 289	65 661
1389	7.7	36 36.63	5.4757	0.1176	−0.004	66 39 59.3	12.662	0.614	0.57	76.2	130 176 289	66 575
1390	8.3	36 46.76	5.6247	0.1293	−0.001	67 54 22.4	12.673	0.630	0.61	76.2	130 181 291	67 559
1391	6.5	8 37 28.42	+5.5267	−0.1224	−0.001	+ 67 9 51.4	−12.721	−0.618	+0.58	73.7	125 181	67 560
1392	9.1	38 42.32	5.6481	0.1334	+0.003	68 13 28.0	12.804	0.629	0.62	72.2	44 122	68 541
1393	8.9	38 58.71	5.6356	0.1327	+0.003	68 8 51.7	12.822	0.626	0.62	76.9	88 122 289 291	68 542
1394	9.4	39 30.20	5.2489	0.1036	−0.002	64 45 42.3	12.857	0.582	0.51	72.8	42 124 181	64 708
1395	9.3	39 51.23	5.6204	0.1325	+0.005	68 5 36.1	12.881	0.623	0.62	72.2	44 122	68 544
1396	8.5	8 40 31.91	+5.2524	−0.1048	−0.001	+ 64 52 49.2	−12.926	−0.580	+0.52	72.5	42 91 181	64 710
1397	8.0	40 37.88	5.4690	0.1212	+0.004	66 54 36.2	12.933	0.604	0.57	73.6	125 176	66 580
1398	9.1	40 49.04	5.4307	0.1184	+0.003	66 35 23.3	12.945	0.599	0.57	72.2	44 124	66 582
1399	9.2	41 20.05	5.6920	0.1401	+0.009	68 44 33.6	12.980	0.627	0.64	72.2	44 122	68 545
1400	8.9	41 54.92	5.4979	0.1248	+0.006	67 15 15.1	13.019	0.604	0.59	72.5	42 91 176	67 564

[1] E.B. −0ˢ.0095 −0″.063 [2] E.B. −0ˢ.0041 +0″.094 [3] α Z. 125 ausgeschlossen

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1401	9.1	8h 43m 32s.43	+5s.3116	−0s.1119	+0s.005	+ 65° 42′ 26″.4	−13″.126	−0″.580	+0″.54	72.5	42 91 176	65°670
1402	8.5	44 4.67	5.6918	0.1434	0.015	68 56 23.6	13.162	0.621	0.65	72.7	88 122	69 490
1403	9.2	44 17.86	5.7772	0.1511	0.018	69 33 53.9	13.176	0.630	0.67	75.5	88 122 291	69 491
1404	9.4	45 1.81	5 2721	0.1104	0.006	65 26 44.6	13.225	0.572	0.53	72.5	42 91 181	65 671
1405	8.9	45 33.86	5.7723	0.1524	0.021	69 37 16.3	13.260	0.626	0.68	75.2	88 92 289	69 493
1406	5.7	8 45 53.07	+5.2284	−0.1078	+0.006	+ 65 4 47.6	−13.281	−0.566	+0.52	72.2[1]	44 124	65 673
1407	8.4	45 55.21	5.2544	0.1098	0.007	65 20 39.8	13.283	0.569	0.53	72.9	42 91 209	65 672
1408	7.9	45 58.60	5.3214	0.1151	0.008	65 59 59.1	13.287	0.576	0.55	72.2	44 124	66 587
1409	9.1	46 28.29	5.5180	0.1314	0.015	67 46 17.7	13.319	0.596	0.60	73.6	125 176	67 567
1410	8.5	46 38.23	5.7765	0.1541	0.024	69 43 40.9	13.330	0.624	0.68	75.2	88 92 291	69 494
1411	8.9	8 47 14.24	+5.1888	−0.1060	+0.007	+ 64 47 17.2	−13.369	−0.558	+0.52	72.9	42 91 209	64 714
1412	9.1	47 34.79	5.6573	0.1447	0.022	68 56 40.3	13.392	0.608	0.65	73.7	125 181	68 547
1413	7.5	47 47.01	5.3570	0.1197	0.012	66 28 48.1	13.405	0.575	0.56	72.2	44 124	66 589
1414	8.7	47 48.99	5.4790	0.1297	0 016	67 33 14.0	13.407	0.589	0.60	76.1	125 176 289	67 569
1415	9.1	47 51.79	5.7149	0.1501	0.025	69 23 8.1	13.410	0.614	0.67	73.7	122 181	69 495
1416	9.1	8 48 24.51	+5.7303	−0.1522	+0.026	+ 69 32 7.3	−13.445	−0.614	+0.67	75.5	88 122 291	69 496
1417	9.3	49 2.01	5.7242	0.1525	0.028	69 32 17.1	13.486	0.612	0.67	75.5	88 122 289	69 497
1418	8.9	49 3.53	5.2419	0.1118	0.011	65 29 11.4	13.488	0.560	0.54	72.2	42 124	65 677
1419	8.2	49 16.56	5.2214	0.1104	0.011	65 17 57.1	13.502	0.557	0.53	72.2	44 124	65 678
1420	9.0	50 29.87	5.5271	0.1368	0.023	68 9 45.6	13.581	0.587	0.62	72.2	44 125	68 549
1421	7.9	8 50 59.01	+5.6778	−0.1508	+0.030	+ 69 21 9.5	−13.612	−0.602	+0.66	72.7	88 125	69 499
1422	8.3	51 14.62	5.1705	0.1082	0.013	64 56 50.5	13.629	0.547	0.52	75.2	42 124 289	65 679
1423	**5.0**	**51 14.76**	**5.5138**	**0.1365**	**0.024**	**68 6 52.1**	**13.629**	**0.584**	**0.62**		**Fund. Cat.[2]**	**68 551**
1424	9.4	52 19.16	5.6786	0.1525	0.034	69 27 39.3	13.697	0.599	0.67	72.7	88 133	69 501
1425	9.1	52 19.80	5.5421	0.1402	0.028	68 25 41.6	13.698	0.585	0.63	75.2	44 124 289	68 552
1426	9.2	8 52 49.16	+5.6439	−0.1500	+0.033	+ 69 14 44.7	−13.729	−0.594	+0.66	73.7	132 182	69 502
1427	8.2	52 55.01	5.6797	0.1534	0.035	69 30 53.4	13.736	0.598	0.67	73.0	88 125 132 133	69 503
1428	9.0	54 8.57	5.1894	0.1124	0.017	65 24 9.4	13.814	0.543	0.53	72.9	42 91 209	65 684
1429	8.3	54 27.93	5.5413	0.1427	0.032	68 35 39.0	13.834	0.579	0.63	73.2	92 181	68 553
1430	9.0	54 44.41	5.2311	0.1163	0.020	65 52 30.2	13.851	0.546	0.55	72.8	44 124 176	65 686
1431	6.7	8 54 55.96	+5.5808	−0.1468	+0.035	+ 68 56 18.2	−13.864	−0.582	+0.65	72.6	88 92 133	69 504
1432	9.2	55 17.80	5.1320	0.1089	0.017	64 54 25.5	13.887	0.534	0.52	72.7	42 91 132 181	64 717
1433	8.6	55 29.25	5.3652	0.1283	0.027	67 12 6.0	13.899	0.558	0.59	75.2	44 122 289	67 572
1434	9.0[3]	57 3.87	5.1713	0.1137	0.021	65 28 56.6	13.998	0.534	0.54	72.9	42 91 209	65 688
1435	9.3	57 12.51	5.5100	0.1432	0.037	68 34 13.3	14.007	0.569	0.63	76.2	122 181 291	68 554
1436	4.8	8 57 23.51	+5.3660	−0.1305	+0.030	+ 67 22 23.4	−14.018	−0.554	+0.59	73.2[4]	93 182	67 573
1437	7.8	57 30.12	5.6570	0.1573	0.044	69 42 35.8	14.025	0.584	0.68	73.2	92 183	69 506
1438	9.1	57 37.20	5.1962	0.1162	0.023	65 47 12.8	14.032	0.535	0.54	72.2	44 125	65 689
1439	9.2	57 42.33	5.1253	0.1105	0.021	65 3 33.2	14.038	0.528	0.52	76.2	124 182 289	65 691
1440	7.9	58 25.86	5.6388	0.1568	0.047	69 39 8.9	14.083	0.579	0.67	75.9	92 183 289	69 508
1441	9.0	8 58 29.44	+5.3875	−0.1336	+0.033	+ 67 39 28.0	−14.087	−0.553	+0.60	73.7	122 182	67 574
1442	9.0	58 33.23	5.1808	0.1159	0.024	65 43 1.3	14.091	0.532	0.54	71.7	44 91	65 694
1443	9.0	59 6.64	5.3108	0.1275	0.031	67 1 31.4	14.125	0.544	0.58	74.2	125 182 209	67 575
1444	7.6	59 8.43	5.3280	0.1290	0.032	67 11 8.2	14.127	0.546	0.58	73.7	125 182	67 576
1445	**5.0**	**59 22.06**	**5.3767**	**0.1336**	**0.034**	**67 38 23.3**	**14.141**	**0.550**	**0.60**		**Fund. Cat.[5]**	**67 577**
1446	8.9	8 59 37.46	+5.0829	−0.1088	+0.022	+ 64 46 57.2	−14.157	−0.519	+0.52	72.5	42 91 183	64 721
1447	8.7	59 46.60	5.2318	0.1214	0.028	66 20 14.4	14.167	0.534	0.56	73.2	44 125 209	66 597
1448	7.5	59 56.38	5.4097	0.1372	0.037	67 58 26.4	14.177	0.552	0.61	76.2	122 182 289	68 557
1449	8.1	9 0 26.44	5.6023	0.1559	0.050	69 32 53.1	14.208	0.571	0.67	73.2	92 183	69 509
1450	8.5	0 53.00	5.6033	0.1566	0.051	69 35 29.0	14.235	0.570	0.67	73.7	122 183	69 510

[1] E.B. −0s.0049 −0″.090 [2] E.B. −0s.0036 +0″.016 [3] Com. 9m.3 3″ 280° [4] E.B. +0s.0008 −0″.047
[5] E.B. +0s.0002 −0″.064

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1451	9	9h 1m50s.38	+5s.5814	−0s.1557	+0s.052	+ 69°30′ 28″.5	−14″.294	−0″.565	+0″.67	72.8	88 122	69° 512
1452	8.8	2 9.10	5.3681	0.1360	0.040	67 48 37.3	14.313	0.542	0.60	74.9 74.7	44 122 125 289	67 579
1453	8.7	2 17.35	5.1020	0 1128	0.027	65 14 47.9	14.321	0.515	0.53	72.5	42 91 183	65 698
1454	7.8	2 42.58	5.1934	0.1210	0.032	66 13 54.2	14.347	0.523	0.55	73.7	124 182	66 599
1455	9.0	3 1.70	5.2744	0.1285	0.036	67 2 37.0	14.367	0.531	0.58	75.5	44 183 292	67 580
1456	7.5	9 3 2.88	+5.1976	−0.1217	+0.032	+ 66 18 22.4	−14.368	−0.523	+0.56	73.9	91 183 209	66 600
1457	8.5	3 32.07	5.2054	0.1229	0.034	66 25 44.6	14.397	0.522	0.56	72.2	44 93 124	66 602
1458	9.1	4 1.20	5.6130	0.1617	0.061	69 55 23.4	14.427	0.562	0.68	72.6	88 92 125	70 556
1459	7.2	4 23.33	5.3274	0.1348	0.042	67 39 11.1	14.449	0.533	0.60	72.9	42 91 209	67 581
1460	8.3	5 55.07	5.5491	0.1579	0.061	69 36 35.0	14.542	0.551	0.67	72.9	88 92 183	69 515
1461	8.7	9 6 4.97	+5.3326	−0.1372	+0.046	+ 67 51 15.7	−14.552	−0.529	+0.60	72.2	42 91 124	67 582
1462	9.0	6 14.29	5.4118	0.1449	0.052	68 32 53.6	14.561	0.537	0.63	72.2	44 122	68 563
1463	8.5	7 15.58	5.5338	0.1581	0.065	69 36 37.2	14.622	0.546	0.67	72.9	88 92 183	69 515
1464	8.7	7 22.19	5.1244	0.1197	0.036	65 58 51.6	14.629	0.505	0.55	74.4	42 91 125 289	66 604
1465	9.2	7 25.70	5.1528	0.1223	0.038	66 16 44.0	14.633	0.508	0.55	73.2	44 124 209	66 605
1466	9.2	9 7 49.90	+5.3024	−0.1363	+0.048	+ 67 44 48.4	−14.657	−0.521	+0.60	75.2	92 122 182 289	67 583
1467	8.0	9 18.36	5.2394	0.1321	0.047	67 18 27.1	14.744	0.512	0.58	72.2	44 92 125	67 584
1468	7.4	9 53.88	5.0593	0.1164	0.037	65 32 43.5	14.779	0.493	0.53	74.4 [1]	42 91 124 289	65 703
1469	9.1	11 7.21	5.0293	0.1150	0.037	65 20 33.9	14.852	0.487	0.53	74.4	42 91 124 289	65 705
1470	9.1	11 26.86	5.1467	0.1259	0.045	66 37 0.6	14.871	0.497	0.56	75.2	44 122 209 289	66 608
1471	9.1	9 11 29.23	+5.2600	−0.1365	+0.053	+ 67 42 35.0	−14.873	−0.508	+0.59	73.2	88 122 183	67 585
1472	7.4	12 1.57	5.5144	0.1626	0.075	69 53 1.9	14.905	0.532	0.67	75.2	88 92 292	69 517
1473	9.2	12 16.75	5.1724	0.1291	0.048	66 57 20.6	14.920	0.498	0.57	72.9	44 122 183	67 587
1474	8.7	12 19.64	5.2320	0.1348	0.052	67 31 56.6	14.922	0.503	0.59	73.2	93 125 182	67 586
1475	7.8	12 58.58	5.4401	0.1562	0.071	69 23 35.0	14.960	0.522	0.65	72.2	88 92	69 518
1476	8.7	9 13 1.03	+5.3024	−0.1424	+0.059	+ 68 14 24.7	−14.963	−0.509	+0.61	73.9	93 182 209	68 567
1477	8.6	13 9.54	5.1348	0.1266	0.047	66 40 10.6	14.971	0.492	0.56	74.7	42 91 182 292	66 610
1478	9.1	13 49.74	5.2365	0.1369	0.056	67 43 21.2	15.010	0.500	0.59	72.2	44 92 122	67 588
1479	8.9	14 41.42	5.0630	0.1215	0.045	66 4 59.8	15.060	0.481	0.54	72.7	42 91 125 182	66 612
1480	8.3	15 32.53	4.9673	0.1137	0.041	65 6 45.6	15.109	0.470	0.52	72.6	44 91 183	65 711
1481	9.0	9 16 42.77	+5.1002	−0.1271	+0.052	+ 66 41 9.4	−15.176	−0.480	+0.56	72.2	44 124	66 614
1482	8.4	16 49.16	4.9353	0.1120	0.041	64 52 47.2	15.182	0.464	0.51	72.9	42 91 209	64 735
1483	9.0	17 48.80	5.3119	0.1493	0.072	68 47 28.1	15.239	0.497	0.62	76.2	122 182 292	68 569
1484	9.4	17 49.84	5.0414	0.1227	0.050	66 11 13.9	15.240	0.471	0.54	72.2	44 124	66 615
1485	9.0	17 51.31	5.4497	0.1638	0.086	69 55 25.8	15.241	0.510	0.66	72.2	88 92	70 563
1486	9.4	9 18 0.85	+5.3038	−0.1487	+0.072	+ 68 44 26.1	−15.250	−0.496	+0.62	77.4	122 183 289 292	68 570
1487	8.9	18 2.79	5.0305	0.1219	0.049	66 5 36.2	15.252	0.470	0.53	73.7	124 183	66 616
1488	9.0	18 8.23	5.3999	0.1589	0.081	69 33 22.5	15.257	0.505	0.65	75.2	88 92 289	69 519
1489	8.8	18 14.38	5.3683	0.1557	0.079	69 18 30.8	15.263	0.501	0.64	75.2	88 93 292	69 520
1490	8.5	18 31.72	4.9201	0.1123	0.043	64 53 29.1	15.279	0.458	0.51	72.9	42 91 209	64 736
1491	9.3	9 19 23.14	+5.1726	−0.1371	+0.063	+ 67 41 1.9	−15.328	−0.480	+0.58	75.2 72.2	44 124 289α	67 589
1492	9.1	19 46.49	5.2186	0.1421	0.068	68 9 22.7	15.350	0.483	0.60	73.2	92 183	68 571
1493	9.4	19 49.05	5.1712	0.1374	0.064	67 42 56.4	15.352	0.479	0.58	74.2	125 182 209	67 590
1494	7.2 [2]	20 29.99	5.2030	0.1414	0.069	68 5 11.2	15.390	0.480	0.60	73.7	125 183	68 572
1495	8.4	20 34.30	5.1488	0.1361	0.064	67 34 43.6	15.395	0.475	0.58	73.7	125 182	67 592
1496	8.7	9 20 36.18	+5.0152	−0.1231	+0.053	+ 66 12 23.2	−15.396	−0.462	+0.54	75.9	91 182 292	66 618
1497	9.4	21 4.81	5.2045	0.1423	0.070	68 9 38.5	15.423	0.479	0.60	73.2	92 183	68 573
1498	7.7	21 12.67	5.1239	0.1343	0.063	67 24 6.7	15.430	0.471	0.57	75.9	93 182 292	67 594
1499	8.3	22 13.20	5.0989	0.1330	0.063	67 15 39.2	15.486	0.466	0.57	73.2	92 182	67 595
1500	8.5	23 0.76	5.0048	0.1246	0.057	66 21 43.9	15.531	0.455	0.54	73.2	91 182	66 621

[1] E.B. −0s.0268 −0″.343 (BB VII) [2] Bor.

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1501	8.9	9h 23m 41s.86	+5s.0885	−0s.1336	+0s.066	+ 67° 18′ 59″.9	−15″.568	−0″.461	+0″.57	76.2	125 182 292	67° 596
1502	8.3[1]	23 54.45	5.0892	0.1339	0.066	67 20 48.5	15.580	0.461	0.57	72.6	49 125 132	67 597
1503	7.6	25 2.39	4.9481	0.1213	0.056	65 57 44.4	15.642	0.445	0.53	71.7	44 91	66 623
1504	9.1	25 7.17	4.8667	0.1136	0.050	65 0 46.8	15.647	0.437	0.51	72.5	42 125 132	65 722
1505	9	25 47.96	4.8457	0.1123	0.050	64 50 7.3	15.684	0.434	0.50	72.5	42 91 182	64 743
1506	9.4	9 26 3.99	+5.0962	−0.1371	+0.072	+ 67 39 15.6	−15.698	−0.456	+0.57	72.2	48 132	67 599
1507	8.1	26 33.08	4.8456	0.1130	0.051	64 55 30.8	15.725	0.432	0.50	72.2	44 132	65 723
1508	8.9	26 50.13	4.8947	0.1180	0.055	65 33 14.2	15.740	0.436	0.52	74.8	42 91 289	65 725
1509	8.7	27 31.93	5.3351	0.1647	0.103	69 57 46.6	15.778	0.473	0.65	71.8	49 93	70 569
1510	7.9	27 40.78	4.8381	0.1134	0.052	64 58 11.2	15.786	0.428	0.50	72.2	44 132	65 727
1511	7.7	9 28 5.48	+5.3140	−0.1631	+0.102	+ 69 50 50.8	−15.808	−0.470	+0.64	71.8	49 93	69 526
1512	8.3	28 16.17	5.1665	0.1472	0.085	68 34 22.9	15.817	0.456	0.60	75.2	48 125 289	68 577
1513	9.0	28 27.81	4.8888	0.1190	0.058	65 40 50.3	15.828	0.431	0.52	71.7	42 91	65 728
1514	6.5	29 4.09	5.0805	0.1390	0.077	67 50 1.5	15.860	0.447	0.58	72.2	50 132	67 602
1515	9.1	29 27.39	5.0247	0.1337	0.073	67 18 30.7	15.881	0.441	0.56	71.8	50 91	67 604
1516	9.2	9 29 52.56	+5.2354	−0.1568	+0.097	+ 69 22 6.4	−15.904	−0.458	+0.62	71.8	51 92	69 527
1517	7.4	29 53.53	5.2047	0.1534	0.094	69 5 54.9	15.904	0.455	0.61	74.9	50 93 292	69 528
1518	8.8	30 29.81	5.2865	0.1634	0.106	69 52 15.4	15.937	0.461	0.64	71.8	51 93	69 530
1519	9.0	30 54.01	4.9534	0.1280	0.069	66 42 40.6	15.958	0.431	0.54	74.9	50 91 292	66 626
1520	**5.8**	**31 30.83**	**5.2658**	**0.1625**	**0.106**	**69 48 16.8**	**15.990**	**0.457**	**0.64**		**Fund. Cat.** [2]	**69 531**
1521	7.9	9 31 32.29	+5.0030	−0.1338	+0.075	+ 67 19 22.5	−15.992	−0.433	+0.56	74.9	51 92 292	67 608
1522	8.6	32 48.75	4.9543	0.1302	0.073	66 57 2.4	16.059	0.426	0.54	72.6	50 91 182	67 610
1523	8?	32 56.31	5.0251	0.1378	0.081	67 43 3.3	16.065	0.432	0.57	71.8	51 92	67 611
1524	6.4	34 45.19	4.8138	0.1180	0.064	65 33 12.5	16.160	0.409	0.51	73.2 73.4	49 90 182 209	65 731
1525	8.9	35 20.76	4.8434	0.1216	0.067	65 59 24.8	16.191	0.410	0.52	74.9	50 93 292	66 628
1526	9.2	9 35 25.02	+4.7886	−0.1162	+0.062	+ 65 19 23.6	−16.194	−0.405	+0.50	72.6	51 91 182	65 732
1527	8.8	35 50.26	4.9664	0.1350	0.081	67 26 51.3	16.216	0.419	0.55	74.8	50 92 125 289	67 613
1528	9.0	36 4.52	4.9476	0.1332	0.080	67 16 27.4	16.228	0.417	0.55	72.2	49 93 132	67 614
1529	7.4	36 5.65	4.8530	0.1234	0.070	66 12 0.9	16.229	0.409	0.52	75.2	48 125 290	66 630
1530	8.6	36 21.07	4.8749	0.1259	0.072	66 29 26.1	16.242	0.410	0.53	74.9	51 91 290	66 631
1531	9.0	9 36 56.29	+4.7710	−0.1159	+0.063	+ 65 17 55.4	−16.272	−0.400	+0.50	72.9 73.0	50 90 209	65 734
1532	9.0	37 4.62	5.1126	0.1527	0.103	69 3 37.9	16.279	0.428	0.60	72.2	49 125	69 535
1533	8.9	38 24.09	4.8178	0.1222	0.071	66 4 25.3	16.347	0.400	0.51	72.2	48 91 132	66 635
1534	8.6	38 52.15	4.8383	0.1249	0.074	66 22 56.6	16.371	0.401	0.52	72.9	49 93 209	66 636
1535	6.9	39 0.63	4.7629	0.1172	0.066	65 28 10.9	16.378	0.394	0.50	72.6	50 90 182	65 736
1536	7.4	9 39 47.55	+4.8937	−0.1318	+0.082	+ 67 8 31.6	−16.417	−0.403	+0.54	72.2	50 91 132	67 617
1537	8.4	40 12.62	4.9121	0.1343	0.086	67 24 0.2	16.438	0.403	0.54	72.2	49 125	67 618
1538	6.6	40 34.00	4.8026	0.1230	0.074	66 10 24.6	16.456	0.393	0.51	75.0 75.3	48 90 209 289	66 637
1539	9.0	41 31.60	4.9408	0.1390	0.092	67 52 44.9	16.504	0.402	0.55	71.7	48 91	67 619
1540	8.3[3]	42 46.11	4.9224	0.1385	0.093	67 50 23.0	16.565	0.397	0.55	72.9 73.0	48 90 209	67 621
1541	9.2	9 43 25.52	+5.0022	−0.1484	+0.106	+ 68 45 10.9	−16.598	−0.402	+0.57	71.8	49 91	68 581
1542	8.8	44 1.20	5.1305	0.1646	0.128	70 2 22.7	16.627	0.411	0.62	71.8	49 93	70 586
1543	7.4	44 16.22	4.7004	0.1162	0.063	65 22 30.8	16.639	0.376	0.49	72.9 73.0	48 90 209	65 741
1544	9.4	44 41.55	5.0658	0.1577	0.120	69 31 40.6	16.660	0.404	0.60	76.5 74.2	183 292α	} 69 541
1545	9.5	44 43.52	5.0654	0.1577	0.120	69 31 41.6	16.661	0.404	0.60	72.6	50 93 183	
1546	8.3[4]	9 44 43.91	+5.0612	−0.1572	+0.119	+ 69 29 20.4	−16.661	−0.404	+0.59	74.9	49 92 292	69 542
1547	8.7	45 9.23	4.7266	0.1199	0.075	65 50 32.7	16.682	0.376	0.49	74.9	48 93 290	65 743
1548	7.8	45 21.64	4.8946	0.1385	0.097	67 52 18.4	16.692	0.388	0.54	72.2	50 132	67 624
1549	8.5	45 56.74	4.7593	0.1242	0.080	66 22 3.8	16.720	0.376	0.51	75.0 75.3	48 90 209 290	66 640
1550	8.8	46 41.97	5.0358	0.1569	0.121	69 29 28.4	16.757	0.396	0.59	72.6	49 92 183	69 544

[1] Blau; 8m.2 (roth) praec. A. 4″ [2] E.B. −0s.0177 −0″.077 [3] Com. deb. A. 2″.5 (?) [4] Einfach

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
1551	8.5	9h 47m 10.36	+4.9171	−0.1435	+0.105	+ 68° 21′ 11.0	−16.779	−0.386	+0.55	76.5	50 93 290 292	68° 582
1552	7.5	47 14.64	4.9860	0.1517	0.115	69 4 22.1	16.783	0.391	0.57	72.2	49 132	69 545
1553	8.2	47 50.36	4.8201	0.1331	0.093	67 21 39.7	16.811	0.376	0.53	74.5	48 93 132 290	67 625
1554	8.3	48 34.64	4.7419	0.1253	0.084	66 31 7.2	16.846	0.368	0.50	73.2 73.4	49 90 183 209	66 642
1555	8.7	49 47.05	4.6830	0.1202	0.080	65 56 2.3	16.903	0.360	0.49	73.2 73.4	48 90 183 209	66 644
1556	7.4[1]	9 51 25.39	+4.9563	−0.1539	+0.124	+ 69 18 58.2	−16.980	−0.377	+0.57	74.9	48 92 290	69 550
1557	9.1	51 27.41	4.7236	0.1265	0.089	66 42 4.6	16.982	0.359	0.50	71.9	47 90 94	66 645
1558	8.0	52 16.77	4.9776	0.1578	0.130	69 38 22.4	17.020	0.377	0.58	71.8	49 92	69 551
1559	7.6[2]	52 51.02	4.9445	0.1545	0.127	69 23 9.6	17.046	0.373	0.57	74.9	48 92 290	69 552
1560	8.5	53 41.94	4.7689	0.1344	0.101	67 34 45.1	17.085	0.357	0.52	72.5	47 90 91 183	67 630
1561	8.8	9 54 15.00	+4.7184	−0.1292	+0.095	+ 67 2 32.8	−17.110	−0.352	+0.50	75.0	48 91 209 290	67 631
1562	8.2	55 9.65	4.7893	0.1387	0.108	68 1 41.1	17.152	0.355	0.53	71.8	49 92	68 587
1563	7.5	55 24.99	4.7027	0.1288	0.102	67 1 2.5	17.163	0.347	0.50	71.7	48 91	67 633
1564	6.6	55 26.68	4.7735	0.1372	0.106	67 53 2.9	17.165	0.353	0.52	71.8	50 93	67 632
1565	9.3	55 34.32	4.6691	0.1251	0.091	66 36 34.4	17.171	0.344	0.49	72.9 73.0	47 90 209	66 646
1566	8.5	9 55 34.49	+4.8261	−0.1437	+0.115	+ 68 30 15.9	−17.171	−0.356	+0.54	71.8	49 94	68 588
1567	8.6	55 52.36	4.7951	0.1403	0.111	68 11 46.0	17.184	0.353	0.53	71.8	50 93	68 589
1568	9.0	56 21.53	4.8868	0.1523	0.128	69 16 7.7	17.206	0.359	0.56	72.6	49 92 183	69 555
1569	7.2	56 32.94	4.5443	0.1122	0.076	65 1 6.6	17.214	0.333	0.46	71.7	47 91	65 749
1570	8.9	56 58.40	4.6211	0.1213	0.088	66 10 57.7	17.234	0.337	0.48	76.5	48 93 290 292	66 647
1571	7.6	9 57 12.56	+4.6007	−0.1192	+0.085	+ 65 56 13.9	−17.244	−0.335	+0.47	72.9	47 91 209	66 648
1572	8.4	57 26.53	4.7546	0.1375	0.109	67 57 7.8	17.255	0.346	0.52	74.9	49 92 292	68 590
1573	7.5	57 30.52	4.6705	0.1276	0.096	66 55 17.1	17.257	0.340	0.49	71.9	50 93 94	67 634
1574	7.9	58 19.35	4.7022	0.1323	0.103	67 26 47.9	17.294	0.340	0.50	72.6	50 94 183	67 635
1575	7.1	58 42.75	4.6347	0.1248	0.094	66 38 9.3	17.311	0.334	0.49	72.9	48 94 209	66 650
1576	8.4	9 58 45.76	+4.8345	−0.1491	+0.127	+ 69 3 0.5	−17.313	−0.348	+0.54	76.5[3]	49 92 290 292	69 558
1577	8.8	58 55.48	4.8568	0.1522	0.131	69 18 43.2	17.320	0.350	0.55	71.8	50 93	69 559
1578	9.0	59 8.72	4.5250	0.1128	0.079	65 9 3.2	17.330	0.325	0.45	71.7	47 91	65 750
1579	9.2	59 33.54	4.8293	0.1496	0.128	69 6 24.6	17.348	0.346	0.54	74.9	50 93 290	69 560
1580	6.7	59 37.37	4.8440	0.1516	0.131	69 16 29.0	17.351	0.347	0.55	71.8	49 92	69 561
1581	9.2[4]	9 59 47.15	+4.5117	−0.1120	+0.079	+ 65 3 17.6	−17.358	−0.322	+0.45	72.6 72.8	48 91 183	65 751
1582	9.3	10 0 26.66	4.5388	0.1158	0.084	65 34 10.2	17.387	0.322	0.46	72.9 72.5	47 90 209	65 752
1583	8.7	1 12.96	4.8712	0.1575	0.143	69 47 16.4	17.420	0.344	0.55	72.9	48 92 210	69 562
1584	7.4	2 9.43	4.4925	0.1124	0.081	65 9 24.9	17.461	0.315	0.45	72.9 73.0	47 90 209	65 756
1585	9.5	2 25.43	4.5354	0.1176	0.088	65 50 40.7[5]	17.473	0.317	0.46	74.2 75.2	48α 91 93 290	65 757
1586	8.2	10 2 45.13	+4.6778	−0.1350	+0.111	+ 67 49 16.1	−17.487	−0.327	+0.50	72.9	49 92 210	67 637
1587	8.8	2 51.03	4.5195	0.1162	0.087	65 40 55.8	17.491	0.315	0.46	74.9	47 91 292	65 758
1588	7.9	4 38.54	4.5117	0.1174	0.090	65 52 5.4	17.567	0.310	0.46	75.0 75.3	47 90 209 290	65 761
1589	9.1	4 44.46	4.6308	0.1318	0.109	67 32 13.0	17.571	0.318	0.49	72.9	48 92 210	67 638
1590	8.9	5 2.37	4.5889	0.1270	0.103	67 1 47.6	17.584	0.314	0.48	74.9	48 93 290	67 639
1591	8.1	10 5 55.26	+4.4624	−0.1130	+0.085	+ 65 20 11.2	−17.621	−0.303	+0.44	75.0 75.3	47 90 209 290	65 762
1592	9.1	6 1.69	4.4367	0.1102	0.082	64 56 48.7	17.625	0.301	0.44	71.7	48 91	65 763
1593	8.7	6 22.72	4.7403	0.1480	0.135	69 7 42.1	17.640	0.321	0.52	72.9	49 92 210	69 565
1594	9.5	7 18.50	4.4341	0.1113	0.084	65 7 54.0	17.678	0.298	0.44	74.5 74.8	47 90 131 290	65 764
1595	9.1	7 37.75	4.4402	0.1123	0.086	65 17 12.2	17.692	0.297	0.44	71.7	48 91	65 765
1596	5.6	10 8 56.03	+4.4537	−0.1154	+0.091	+ 65 43 51.7	−17.745	−0.295	+0.46	74.2 74.9[6]	47 90 95 290	65 767
1597	9.2	8 58.60	4.6208	0.1361	0.120	68 5 48.7	17.747	0.306	0.49	75.0	49 92 209 290	68 597
1598	8.9	9 26.55	4.5791	0.1314	0.114	67 37 39.5	17.766	0.302	0.48	71.7	48 91	67 645
1599	9.1	9 51.07	4.5859	0.1328	0.116	67 47 13.4	17.782	0.302	0.48	72.2	47 91 131	67 646
1600	9.2[7]	10 54.20	4.6489	0.1425	0.132	68 45 52.5	17.825	0.303	0.50	74.9	48 93 292	68 598

[1] Com. bor. 2″? [2] Einfach [3] E.B. −0.0677 −0.333 (BB VII) [4] Dupl. med. 2″45°; pr. maj.
[5] δ Z. 48 ausgeschlossen [6] E.B. −0.0156 −0.008 [7] 10m.5 praec. A. ca. 11″

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
1601	7.7	10h 11m 2s.46	+4s.7218	−0s.1526	+0s.151	+ 69°38′ 45″.5	−17″.830	−0″.308	+0″.53	72.9	49 92 210	69°567
1602	9.5	11 29.39	4.6463	0.1430	0.133	68 49 44.8	17.848	0.301	0.50	71.8	49 93	68 599
1603	5.5	11 29.62	4.6919	0.1492	0.143	69 22 30.3	17.848	0.304	0.52	72.9	50 92 210	69 568
1604	9.1	12 18.53	4.5289	0.1288	0.113	67 25 58.2	17.881	0.291	0.47	75.0 75.3	47 90 209 290	67 649
1605	7.3	12 34.05	4.6923	0.1509	0.147	69 33 10.5	17.891	0.302	0.52	71.8	49 92	69 569
1606	8.1	10 13 52.27	+4.3880	−0.1132	+0.092	+ 65 35 16.2	−17.942	−0.278	+0.43	72.9 73.0	50 90 210	65 770
1607	8.7	14 5.15	4.3579	0.1098	0.088	65 7 28.6	17.951	0.276	0.42	74.9	50 93 292	65 771
1608	**5.0**	**15 5.66**	**4.4116**	**0.1175**	**0.099**	**66 11 51.1**	**17.990**	**0.276**	**0.44**		**Fund. Cat.** [1]	**66 664**
1609	8.7	15 8.01	4.6562	0.1499	0.149	69 33 1.1	17.991	0.292	0.51	74.9	49 93 290	69 571
1610	8.7	15 8.19	4.3456	0.1095	0.088	65 7 1.7	17.991	0.272	0.42	74.9	50 93 292	65 773
1611	7.3	10 16 3.57	+4.4221	−0.1200	+0.103	+ 66 32 29.3	−18.027	−0.275	+0.44	71.9	49 93 95	66 665
1612	7.3	16 10.08	4.3153	0.1070	0.085	64 47 25.4	18.031	0.268	0.41	75.0 75.4	51 90 210 290	64 781
1613	8.5	16 25.98	4.4866	0.1289	0.117	67 34 15.2	18.041	0.278	0.46	72.2	50 95α 131	67 651
1614	9.4	16 52.53	4.3294	0.1095	0.089	65 10 37.2	18.058	0.267	0.42	75.2	51 132 292	65 776
1615	7.0	17 4.01	4.5323	0.1358	0.128	68 19 6.2	18.065	0.279	0.47	71.8	49 93	68 605
1616	8.2	10 17 48.29	+4.4996	−0.1325	+0.124	+ 68 0 11.1	−18.093	−0.275	+0.47	74.9 75.4	51 95 292	68 606
1617	9.0	17 49.48	4.4770	0.1295	0.119	67 41 14.3	18.094	0.274	0.46	75.0 75.4	50 90 210 290	67 652
1618	9.0	17 58.11	4.6115	0.1481	0.149	69 29 35.3	18.100	0.282	0.50	71.8	49 92	69 572
1619	7.9	18 39.23	4.4409	0.1258	0.114	67 18 53.5	18.125	0.269	0.45	72.9	51 94 210	67 653
1620	8.1	18 52.74	4.3104	0.1094	0.091	65 14 39.4	18.134	0.261	0.41	74.9	50 91 292	65 777
1621	8.9	10 19 5.59	+4.2835	−0.1064	+0.087	+ 64 48 22.8	−18.142	−0.259	+0.41	74.5 74.8	51 90 133 290	64 786
1622	8.9	19 37.17	4.3122	0.1105	0.093	65 25 34.2	18.161	0.259	0.41	71.7	48 91	65 780
1623	9.1	20 33.39	4.4097	0.1243	0.114	67 12 19.1	18.196	0.263	0.44	71.8	49 92	67 656
1624	8.2	20 51.94	4.2884	0.1090	0.092	65 15 34.1	18.207	0.254	0.41	71.7 71.6	48 90	65 782
1625	6.1	21 0.16	4.3452	0.1164	0.102	66 15 53.8	18.212	0.257	0.43	72.9	50 94 210	66 671
1626	6.4	10 21 43.53	+4.2588	−0.1063	+0.089	+ 64 53 53.0	−18.239	−0.250	+0.40	74.2 74.9	47 90 95 290	64 789
1627	8.0	22 7.34	4.5122	0.1406	0.142	68 57 51.0	18.253	0.265	0.47	72.2	49 131	69 574
1628	6.7	22 22.30	4.3706	0.1215	0.111	66 57 0.1	18.262	0.256	0.43	72.9 73.0	50 95 210	67 658
1629	8.7	22 30.20	4.2522	0.1064	0.089	64 56 16.9	18.267	0.248	0.40	72.2	48 94 131	65 783
1630	9.3	22 44.35	4.2761	0.1097	0.094	65 25 36.7	18.275	0.249	0.41	75.2	47 131 290	65 784
1631	9.3	10 22 44.46	+4.2705	−0.1090	+0.093	+ 65 19 31.7	−18.275	−0.249	+0.41	72.9 72.5	50 95 210	65 785
1632	8.5	22 56.58	4.4873	0.1383	0.139	68 46 50.1	18.283	0.261	0.47	72.6	49 131 132	68 609
1633	8.1	24 11.18	4.2968	0.1141	0.102	66 5 38.8	18.327	0.247	0.41	76.5 77.1	47 95 290 292	66 672
1634	8.3	24 15.17	4.4519	0.1353	0.135	68 32 12.0	18.329	0.256	0.46	72.2	48 132	68 610
1635	8.0	25 9.39	4.4142	0.1314	0.130	68 10 4.7	18.361	0.251	0.45	72.2	50 132	68 611
1636	8.4	10 25 22.05	+4.2575	−0.1105	+0.098	+ 65 38 49.2	−18.369	−0.241	+0.40	72.9 73.0	47 95 210	65 786
1637	7.7	25 34.90	4.5046	0.1450	0.153	69 30 23.0	18.376	0.255	0.47	72.2	49 132	69 576
1638	7.5	25 40.50	4.4915	0.1432	0.150	69 21 2.4	18.380	0.254	0.47	72.2	50 132	69 577
1639	9.2	25 50.75	4.4671	0.1399	0.145	69 3 11.0	18.386	0.252	0.46	75.2	49 132 292	69 578
1640	8.7	25 54.04	4.3526	0.1239	0.118	67 22 26.4	18.388	0.245	0.42	72.2	48 131	67 660
1641	8.9	10 26 16.50	+4.4027	−0.1314	+0.131	+ 68 13 6.5	−18.400	−0.247	+0.45	75.2	49 131 290	68 612
1642	9.3	26 22.61	4.2120	0.1058	0.092	65 0 58.1	18.404	0.236	0.39	72.9 72.5	47 95 210	65 787
1643	8.2	26 49.44	4.2324	0.1090	0.097	65 30 4.2	18.420	0.236	0.40	74.9 75.4	48 95 292	65 788
1644	8	26 55.80	4.4912	0.1453	0.155	69 35 4.5	18.423	0.251	0.47	71.8	49 92	69 579
1645	8.8	28 11.12	4.1899	0.1051	0.092	64 59 24.9	18.466	0.230	0.39	71.7 71.6	47 90	65 789
1646	9.0	10 28 44.82	+4.3766	−0.1314	+0.134	+ 68 19 36.8	−18.485	−0.240	+0.44	72.2	48 95 132	68 613
1647	8.0	29 32.04	4.2066	0.1090	0.099	65 37 4.5	18.512	0.228	0.39	72.2	47 90 133	65 791
1648	8.2	30 56.83	4.2194	0.1125	0.105	66 10 35.4	18.559	0.225	0.40	74.9 75.4	47 90 292	66 675
1649	5.7	32 53.22	4.3709	0.1372	0.148	69 5 44.4	18.623	0.229	0.44	72.2	51 131	69 583
1650	9.0	33 5.24	4.1283	0.1029	0.092	64 53 17.2	18.629	0.215	0.38	74.5 74.8	47 95 133 290	64 806

[1] E.B. −0″.007 −0″.014

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1651	5.2	10h 33m 23.70	+4.1997	−0.1131	+0.108	+ 66° 22′ 13.3	−18.639	−0.218	+0.39	74.9 [1]	51 94 292	66° 678
1652	8.0	33 32.84	4.3724	0.1385	0.151	69 15 19.9	18.644	0.227	0.44	72.2	51 132	69 584
1653	5.1	34 5.37	4.3976	0.1433	0.161	69 43 45.0	18.662	0.227	0.45		Fund. Cat. [2]	69 586
1654	8.3	34 9.73	4.2063	0.1151	0.112	66 40 13.1	18.664	0.216	0.40	75.2	47 131 292	66 679
1655	9.1	35 11.47	4.1369	0.1068	0.100	65 34 28.8	18.697	0.210	0.38	72.2	47 131	65 796
1656	9.1	10 35 23.22	+4.2326	−0.1206	+0.122	+ 67 25 25.3	−18.703	−0.215	+0.40	72.2	51 133	67 664
1657	var. [3]	35 46.16	4.3523	0.1392	0.155	69 25 50.0	18.715	0.220	0.44	73.3	132 136	69 587
1658	6.2 [4]	36 21.46	4.2572	0.1257	0.131	68 3 57.9	18.733	0.214	0.41	72.2	51 132	68 617
1659	7.6	36 43.72	4.1175	0.1061	0.100	65 33 18.0	18.745	0.205	0.38	72.2	47 95α 131	65 797
1660	9.3	36 45.34	4.1920	0.1167	0.117	67 0 47.7	18.746	0.209	0.39	77.2	136 292	[67 665]
1661	8.0	10 36 52.32	+4.1231	−0.1070	+0.101	+ 65 42 16.3	−18.749	−0.205	+0.38	72.2	48 131	65 798
1662	9.2	38 7.84	4.1748	0.1162	0.117	67 1 22.8	18.788	0.205	0.39	74.7	47 132 136 292	67 666
1663	8.8	38 45.97	4.0911	0.1051	0.100	65 30 50.5	18.808	0.199	0.37	71.7 71.6	48 90	65 799
1664	8.7	39 4.46	4.2308	0.1260	0.135	68 14 42.6	18.817	0.205	0.41	72.2	49 132	68 618
1665	7.5	39 10.06	4.1231	0.1102	0.108	66 16 31.0	18.820	0.200	0.38	76.7	51 133 290 292	66 681
1666	8.8	10 39 14.32	+4.0636	−0.1018	+0.095	+ 65 2 20.3	−18.822	−0.196	+0.36	73.2	52 131 210	65 800
1667	7.9	39 16.68	4.0704	0.1028	0.097	65 12 3.1	18.823	0.197	0.36	72.2	48 131	65 801
1668	7.4	39 19.99	4.1132	0.1090	0.106	66 7 4.3	18.825	0.199	0.38	72.2	49 133	66 682
1669	8.6	39 43.98	4.1465	0.1144	0.115	66 52 39.5	18.837	0.199	0.38	71.9	51 53 132	66 683
1670	8.9	39 54.36	4.0900	0.1065	0.103	65 46 58.0	18.842	0.196	0.37	72.9 73.0	48 90 210	65 802
1671	9.0	10 39 55.48	+4.1072	−0.1089	+0.107	+ 66 8 41.4	−18.843	−0.197	+0.37	72.2	49 133	66 684
1672	6.2	40 27.54	4.0837	0.1063	0.103	65 47 27.8	18.859	0.194	0.37	72.3	47 90 95 136	65 803
1673	8.8 [5]	42 28.40	4.1144	0.1137	0.117	66 56 17.5	18.918	0.191	0.38	72.0	47 49 90 133	67 670
1674	8.5	42 31.22	4.1271	0.1157	0.120	67 11 57.2	18.919	0.191	0.38	72.7	48 53 131 210	67 671
1675	8.4	44 17.47	4.0211	0.1025	0.100	65 26 13.3 [6]	18.970	0.182	0.35	72.2 72.6	47α 51 131 136	65 805
1676	8.5	10 45 19.22	+4.0379	−0.1064	+0.107	+ 66 5 48.9	−18.999	−0.180	+0.36	73.2	47 131 210	66 687
1677	8.8	45 24.56	4.1035	0.1166	0.125	67 29 7.0	19.001	0.183	0.37	72.6	48 132 136	67 673
1678	9.4	45 49.09	4.1698	0.1278	0.145	68 49 18.2	19.013	0.185	0.39	72.6	49 132 133	68 621
1679	8.2	46 37.36	3.9658	0.0976	0.094	64 46 59.0	19.035	0.174	0.34	71.6 71.4	47 51 90	64 817
1680	9.2	46 46.80	4.1431	0.1252	0.141	68 35 23.5	19.039	0.182	0.39	75.2	49 132 290	68 622
1681	8.2	10 47 35.02	+4.0230	−0.1075	+0.111	+ 66 23 47.4	−19.061	−0.174	+0.36	72.2	48 131	66 689
1682	9.0	47 57.21	4.1632	0.1306	0.153	69 14 48.1	19.071	0.180	0.39	72.6	49 132 136	69 592
1683	7.2	48 6.14	3.9652	0.0995	0.098	65 12 2.3	19.075	0.170	0.34	72.9 73.0	47 90 210	65 808
1684	8.2	48 58.81	4.0043	0.1068	0.110	66 22 26.9	19.099	0.170	0.35	75.2	48 132 290	66 690
1685	8.2	48 58.91	3.9857	0.1039	0.106	65 56 54.5	19.099	0.169	0.34	75.2	49 133 290	66 691
1686	8.8	10 49 0.14	+3.9593	−0.0999	+0.099	+ 65 19 21.8	−19.100	−0.168	+0.34	72.6	47 131 136	65 809
1687	8.6	50 8.63	3.9320	0.0974	0.096	64 58 58.3	19.130	0.164	0.33	72.2	47 131	65 810
1688	8.8	50 23.30	4.0751	0.1204	0.136	68 15 37.8	19.136	0.170	0.37	72.6	49 132 136	68 624
1689	8.5	50 38.09	3.9553	0.1017	0.103	65 42 39.2	19.143	0.164	0.34	72.9 73.0	48 90 210	65 811
1690	8.5	51 10.66	4.0021	0.1099	0.118	66 57 37.1	19.157	0.164	0.35	74.2	47 51 131 292	67 676
1691	9.1	10 53 26.85	+3.9262	−0.1014	+0.105	+ 65 51 16.7	−19.215	−0.156	+0.33	72.9 73.0	48 90 210	65 812
1692	7.7	53 27.05	3.9793	0.1099	0.120	67 7 14.7	19.215	0.158	0.35	72.6	52 131 136	67 677
1693	8.3	53 34.73	4.1161	0.1335	0.165	69 53 46.8	19.218	0.163	0.38	75.2	49 132 290	69 597
1694	9.3	53 47.98	3.9192	0.1008	0.104	65 47 19.9	19.223	0.155	0.33	72.2	52 131	65 813
1695	9.3	53 48.39	4.0310	0.1191	0.137	68 20 16.6	19.224	0.159	0.36	72.2	51 133	68 626
1696	8.9	10 54 16.79	+3.9670	−0.1093	+0.119	+ 67 5 28.3	−19.235	−0.155	+0.34	75.2	52 133 292	67 678
1697	9.2	54 31.28	4.0992	0.1324	0.164	69 51 3.0	19.241	0.160	0.38	72.3	53 132	69 598
1698	9.1	54 48.25	4.0039	0.1164	0.133	68 3 46.6	19.248	0.156	0.35	72.3	53 133	68 627
1699	8.9	54 48.45	3.8717	0.0948	0.095	64 51 25.5	19.248	0.150	0.32	75.2	52 131 290	64 827
1700	8.7	54 49.36	4.0985	0.1329	0.165	69 55 17.8	19.249	0.159	0.38	75.2	51 132 290	70 644

[1] E.B. −0.0285 −0.077 [2] E.B. +0.0028 −0.032 [3] R Ursae maj. [4] Rothgelb [5] Var.?
[6] δ Z. 47 ausgeschlossen

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1701	8.8	10h 55m 19s.57	+4s.0614	−0s.1273	+0s.155	+ 69° 22′ 31″.1	−19″.261	−0″.157	+0″.37	75.2	53 132 293	69° 599
1702	9.2	55 20.12	4.0050	0.1175	0.135	68 14 37.4	19.261	0.154	0.35	75.2	53 133 290	68 628
1703	9.1	55 55.99	4.0166	0.1206	0.142	68 39 47.2	19.276	0.153	0.36	75.2	51 132 293	68 629
1704	8.6	56 37.09	3.9328	0.1076	0.118	67 0 51.9	19.292	0.148	0.34	75.2	52 131 293	67 679
1705	8.1	57 21.20	3.9020	0.1037	0.112	66 29 31.9	19.310	0.145	0.33	75.2	53 133 290	66 696
1706	9.1	10 57 38.54	+3.9723	−0.1161	+0.135	+ 68 14 15.4	−19.317	−0.147	+0.35	72.2	51 132	68 630
1707	6.6	57 40.82	3.8594	0.0972	0.101	65 28 37.4	19.317	0.143	0.32	72.2	52 131	65 817
1708	7.5	58 10.88	3.8936	0.1036	0.112	66 32 57.4	19.329	0.143	0.33	72.3	53 133	66 697
1709	9.2	59 16.55	3.9072	0.1079	0.121	67 15 1.1	19.354	0.141	0.33	70.8	6 53	67 682
1710	8.6	59 22.17	3.8733	0.1023	0.111	66 25 28.3	19.357	0.139	0.32	70.7	5 47	66 699
1711	9.0	10 59 38.64	+3.8734	−0.1027	+0.112	+ 66 31 13.6	−19.363	−0.139	+0.32	71.6	3 52 136	66 700
1712	8.2	10 59 44.98	3.9793	0.1215	0.148	69 2 33.2	19.365	0.142	0.35	70.8	9 51	69 600
1713	9.0	11 0 49.42	3.9119	0.1115	0.129	67 52 30.6	19.389	0.137	0.33	70.6	2 10 47	67 683
1714	6	1 42.79	3.9001	0.1111	0.129	67 53 16.6	19.409	0.135	0.33	70.7	4 51	68 632
1715	8.0	1 56.88	3.8785	0.1077	0.123	67 26 1.4	19.414	0.133	0.33	72.3	3 (52) 133 136	67 684
1716	9.4	11 2 12.90	+3.9057	−0.1131	+0.134	+ 68 11 23.5	−19.420	−0.134	+0.33	70.8	5 53	68 633
1717	9.4	2 47.90	3.7939	0.0945	0.100	65 24 42.0	19.433	0.128	0.31	70.7	6 47	65 819
1718	8.7	2 59.34	3.7909	0.0943	0.100	65 23 25.2	19.437	0.128	0.31	71.6	4 52 131	65 820
1719	8.0	3 7.44	3.8356	0.1023	0.114	66 43 22.2	19.440	0.129	0.31	74.0	9 54 131 290	66 703
1720	7.6	3 22.29	3.8584	0.1068	0.123	67 25 0.3	19.445	0.129	0.32	72.0	9 53 133 136	67 685
1721	9.3	11 3 23.99	+3.9305	−0.1201	+0.149	+ 69 9 9.6	−19.446	−0.132	+0.34	71.6	10 51 132	69 601
1722	7.9	3 35.74	3.8284	0.1019	0.114	66 41 46.5	19.450	0.128	0.31	70.8	5 54	66 704
1723	7.7	3 41.51	3.8276	0.1019	0.114	66 42 28.8	19.452	0.127	0.31	70.8	6 54	66 705
1724	9.0[1]	3 47.69	3.8293	0.1024	0.115	66 47 29.1	19.454	0.127	0.31	76.0 76.8	3 47 290 293	66 706
1725	6.2	4 10.51	3.9100	0.1179	0.145	68 57 0.2	19.462	0.129	0.33	71.6	10 51 132	69 602
1726	8.6	11 4 11.73	+3.8924	−0.1146	+0.139	+ 68 32 39.5	−19.463	−0.128	+0.33	74.3	9 53 293	68 634
1727	7.9	4 48.69	3.8495	0.1079	0.126	67 41 42.2	19.476	0.125	0.32	72.0	4 52 131 136	67 686
1728	7.8	5 5.86	3.9183	0.1215	0.154	69 26 53.1	19.482	0.127	0.34	76.0	6 51 290 293	69 603
1729	6.5	5 14.68	3.8554	0.1099	0.130	68 0 4.1	19.485	0.125	0.32	71.6	5 53 132	68 635
1730	9.4	5 43.31	3.7900	0.0989	0.110	66 23 35.3	19.494	0.121	0.31	71.6	2 47 133	66 707
1731	7.9	11 5 53.45	+3.7875	−0.0987	+0.110	+ 66 23 5.8	−19.498	−0.121	+0.30	72.0	3 52 131 136	66 708
1732	8.7	6 43.65	3.8224	0.1067	0.125	67 40 43.7	19.515	0.120	0.31	70.9	4 47 53	67 688
1733	9.2	7 19.28	3.8334	0.1100	0.132	68 11 23.4	19.527	0.119	0.32	71.6	5 51 132	68 637
1734	6.6	8 22.14	3.7303	0.0928	0.101	65 35 19.2	19.548	0.113	0.29	71.6	2 47 131	65 823
1735	7.9	8 38.21	3.8842	0.1229	0.161	69 54 1.5	19.553	0.117	0.33	71.6	5 51 133	70 654
1736	9.2	11 8 44.84	+3.7535	−0.0978	+0.110	+ 66 28 50.8	−19.555	−0.113	+0.30	71.3	3 6 52 136	66 711
1737	9.1	8 52.98	3.7562	0.0986	0.112	66 37 4.2	19.557	0.113	0.30	71.4 71.6	4 9α 52 136	66 712
1738	9.3	9 48.13	3.8648	0.1218	0.163	69 52 14.1	19.575	0.114	0.32	71.6	5 51 133	69 604
1739	7.7	9 49.31	3.8120	0.1112	0.137	68 33 57.2	19.575	0.112	0.31	71.6	4 53 132	68 639
1740	8.6[2]	11 0.58	3.6761	0.0876	0.094	64 50 35.3	19.598	0.105	0.28	74.2	2 47 290	64 840
1741	6.7	11 11 6.65	+3.7511	−0.1020	+0.120	+ 67 22 0.5	−19.600	−0.107	+0.30	71.2	3 6 51 131	67 691
1742	9.5	11 57.29	3.7129	0.0964	0.110	66 31 34.9	19.615	0.104	0.29	81.2	290 293	[66 714]
1743	8.8	12 7.15	3.6973	0.0937	0.105	66 4 38.3	19.618	0.103	0.29	70.9	4 47 53	66 715
1744	6.1	13 13.80	3.7357	0.1035	0.125	67 47 11.7	19.638	0.102	0.29	71.6	9 51 132	67 692
1745	9.1	13 30.70	3.6924	0.0955	0.110	66 31 25.7	19.643	0.100	0.28	75.08[4]	6 Beob. [3]	66 717
1746	8.7	11 14 38.99	+3.6900	−0.0974	+0.114	+ 66 57 8.5	−19.663	−0.097	+0.28	71.6	9 52 133	67 694
1747	6.1	15 24.62	3.6269	0.0864	0.094	65 0 51.3	19.676	0.094	0.27		Fund. Cat. [5]	65 828
1748	9.5[6]	15 34.39	3.6349	0.0883	0.098	65 24 15.0	19.679	0.093	0.27	74.0	9 52 136 293	65 829
1749	8.6	16 34.44	3.6753	0.0986	0.118	67 20 13.7	19.695	0.092	0.28	71.6	10 55 133	67 696
1750	7.7	16 49.17	3.6277	0.0893	0.101	65 43 58.9	19.699	0.091	0.27	71.6	9 52 136	65 830

[1] Einfach [2] Var.? [3] Z. 9 52 133 136 290 293 [4] E.B. −0s.499 +0″.23 (s. Einl.) [5] E.B. −0s.0174 +0″.027 [6] Dupl.?

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1751	9.1	11h 16m 55s.14	+3s.7166	−0s.1082	+0s.138	+ 68° 48′ 27″.1	−19″.701	−0″.093	+0″.29	70.8	10 53	68° 642
1752	9.1	17 31.38	3.6238	0.0900	0.102	65 55 49.1	19.711	0.089	0.27	71.6	10 52 136	66 719
1753	8.8	18 22.77	3.6141	0.0898	0.103	65 58 51.3	19.724	0.087	0.27	71.6	2 54 134	66 720
1754	7.7	18 35.00	3.6507	0.0980	0.119	67 26 29.6	19.728	0.087	0.28	71.6	4 53 131	67 698
1755	9.1	19 2.26	3.7000	0.1100	0.144	69 15 46.6	19.735	0.087	0.29	71.6	5 51 132	69 607
1756	8.0	11 19 13.52	+3.6458	−0.0985	+0.120	+ 67 34 59.0	−19.738	−0.086	+0.28	71.6	3 54 135	67 699
1757	9.0	19 45.49	3.6709	0.1054	0.135	68 41 19.7	19.746	0.085	0.28	71.6	6 53 136	68 643
1758	8.0	20 8.80	3.6785	0.1081	0.142	69 6 58.2	19.752	0.084	0.28	71.6	5 51 132	69 608
1759	7.5	20 21.34	3.5633	0.0834	0.092	64 53 31.7	19.755	0.081	0.26	72.0	9 52 133 136	64 847
1760	9.3	21 43.99	3.6695	0.1104	0.148	69 35 35.9	19.775	0.080	0.28	73.3	10 11 53 296	69 609
1761	7.1	11 21 45.06	+3.6260	−0.1004	+0.126	+ 68 8 47.1	−19.776	−0.079	+0.27	71.6	10 56 133	68 644
1762	8.9	21 52.68	3.5751	0.0893	0.104	66 14 22.1	19.777	0.078	0.26	70.8	9 52	66 721
1763	7.7	22 2.66	3.6074	0.0969	0.120	67 36 51.5	19.780	0.078	0.27	70.8	10 55	67 701
1764	7.8	22 40.02	3.6317	0.1042	0.135	68 48 57.9	19.789	0.077	0.27	71.6	9 54 133	68 645
1765	9.4	22 48.75	3.6531	0.1097	0.148	69 36 12.2	19.791	0.078	0.28	72.3	53 133	69 610
1766	9.0	11 23 45.89	+3.6298	−0.1069	+0.143	+ 69 19 3.4	−19.804	−0.075	+0.27	70.8	10 53	69 611
1767	7.9	23 48.62	3.5670	0.0921	0.111	66 58 35.7	19.805	0.073	0.26	70.8	9 52	67 702
1768	9.1	24 55.92	3.6149	0.1067	0.143	69 25 6.2	19.820	0.072	0.27	74.0	11 53 133 296	69 612
1769	8.1	25 2.11	3.6221	0.1088	0.148	69 43 10.0	19.821	0.072	0.27	70.8	11 54	69 613
1770	8.2	25 3.08	3.5685	0.0957	0.120	67 44 37.9	19.822	0.070	0.26	74.2	10 52 293	67 703
1771	9.2	11 25 8.85	+3.6146	−0.1073	+0.145	+ 69 31 22.6	−19.823	−0.071	+0.27	74.3	11 54 296	69 614
1772	7.6	25 9.23	3.5494	0.0914	0.111	67 0 24.6	19.823	0.070	0.25	71.6	9 54 133	67 704
1773	9.0	25 13.85	3.5820	0.0995	0.128	68 22 46.0	19.824	0.070	0.26	70.8	11 54	68 648
1774	8.0	25 40.09	3.6096	0.1076	0.146	69 37 51.7	19.830	0.070	0.27	71.6	11 54 134	69 615
1775	9.2	26 1.16	3.5376	0.0909	0.111	67 0 19.8	19.834	0.068	0.25	71.6	10 52 133	67 705
1776	9.3	11 26 29.98	+3.5779	−0.1022	+0.135	+ 68 56 21.6	−19.840	−0.067	+0.26	71.6	11 53 135	69 616
1777	8.2	26 50.67	3.5561	0.0977	0.126	68 16 53.0	19.845	0.066	0.26	71.6	11 56 133	68 650
1778	9.4	26 55.24	3.5627	0.0996	0.130	68 35 30.8	19.846	0.066	0.26	74.0	10 56 136 293	68 651
1779	7.4	26 56.76	3.5026	0.0849	0.099	65 56 25.4	19.846	0.065	0.24	71.6	6 52 134	66 724
1780	8.7	27 35.46	3.5157	0.0898	0.110	66 58 48.9	19.854	0.064	0.25	74.0	4 55 133 296	67 707
1781	8.7	11 27 59.51	+3.5300	−0.0945	+0.120	+ 67 52 27.8	−19.859	−0.063	+0.25	71.6	5 56 134	67 708
1782	9.6	28 4.42	3.4704	0.0799	0.091	65 0 3.7	19.860	0.062	0.24	71.3	52	[65 836]
1783	8.5	28 24.37	3.4663	0.0798	0.091	65 0 28.0	19.864	0.061	0.24	71.9 72.0	5 Beob. [1]	65 838
1784	6	28 41.86	3.5729	0.1080	0.132	70 1 5.6	19.867	0.062	0.26	71.6 [2]	6 53 133	70 670
1785	9.0	28 59.08	3.4580	0.0792	0.090	64 56 32.6	19.871	0.059	0.24	71.0	3 55 57	65 839
1786	7.8	11 29 3.88	+3.4968	−0.0892	+0.110	+ 67 2 5.4	−19.872	−0.060	+0.24	70.8	4 54	67 709
1787	9.0	29 3.93	3.5655	0.1073	0.150	69 57 40.9	19.872	0.061	0.26	70.8	5 53	70 671
1788	9.4	30 48.11	3.4932	0.0935	0.120	68 1 27.7	19.892	0.056	0.24	70.8	4 54	68 652
1789	8.9	31 9.91	3.5059	0.0981	0.131	68 51 5.3	19.896	0.056	0.25	71.6	5 53 133	68 653
1790	7.6	31 19.73	3.4279	0.0777	0.089	64 52 6.9	19.898	0.054	0.23	71.6	2 52 135	64 857
1791	6.8[3]	11 31 46.86	+3.4250	−0.0781	+0.090	+ 65 2 19.5	−19.902	−0.053	+0.23	71.6	3 55 136	65 843
1792	7.8	32 10.02	3.5064	0.1018	0.140	69 32 32.7	19.907	0.053	0.25	73.3	9 10 53 296	69 618
1793	9.0	32 18.14	3.4561	0.0881	0.110	67 13 22.8	19.908	0.052	0.24	71.6	6 56 136	67 711
1794	8.9	32 26.74	3.4124	0.0766	0.087	64 45 26.6	19.909	0.051	0.23	71.6	4 52 135	64 858
1795	8.1	32 27.55	3.4835	0.0963	0.128	68 42 30.3	19.910	0.052	0.24	71.9 71.6	9 54 134	68 654
1796	9.0	11 32 56.10	+3.4642	−0.0924	+0.120	+ 68 6 21.9	−19.915	−0.051	+0.24	70.8	5 55	68 655
1797	8.3	33 6.25	3.4783	0.0971	0.130	68 54 57.3	19.916	0.051	0.24	71.9 71.6	9 54 133	69 619
1798	8.6	33 23.09	3.4911	0.1019	0.142	69 42 4.4	19.919	0.050	0.24	71.6	9 53 135	69 620
1799	7.7	33 26.70	3.4605	0.0931	0.122	68 17 29.7	19.920	0.049	0.24	71.6	6 56 134	68 656
1800	8.9	33 27.29	3.4095	0.0787	0.092	65 23 1.8	19.920	0.049	0.23	74.0	2 55 135 296	65 844

[1] Z. 2 52α 55 134 136 [2] E.B. +0s.0191 −0″.127 [3] Com. 8m 2s.5 330°

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1801	8.7	11h 33m 59s.26	+3s.4697	−0s.0978	+0s.133	+ 69° 8′ 44″.9	−19″.925	−0″.049	+0″.24	73.7 73.3	9 10 54 296	69° 621
1802	9.1	33 59.69	3.4356	0.0878	0.111	67 23 0.5	19.925	0.048	0.23	71.6	6 56 134	67 712
1803	8.9	34 1.01	3.3952	0.0764	0.088	64 54 17.8	19.926	0.047	0.22	71.6	3 55 135	65 846
1804	8.0	34 15.09	3.4762	0.1008	0.140	69 38 41.2	19.928	0.048	0.24	71.6	5 53 136	69 622
1805	8.6	34 45.49	3.4083	0.0824	0.100	66 22 49.8	19.933	0.046	0.23	74.2	4 56 293	66 730
1806	8.7	11 35 21.66	+3.4433	−0.0950	+0.128	+ 68 51 55.7	−19.938	−0.045	+0.23	70.8	6 53	68 658
1807	8.2	35 24.48	3.4229	0.0890	0.115	67 47 23.3	19.939	0.045	0.23	71.6	3 56 134	67 713
1808	5.3	35 29.08	3.4158	0.0871	0.111	67 26 12.0	19.940	0.045	0.23		Fund. Cat. [1]	67 714
1809	8.8	35 37.07	3.4309	0.0922	0.122	68 24 18.7	19.941	0.045	0.23	71.6	6 54 135	68 659
1810	8.8[2]	36 3.20	3.3719	0.0759	0.088	65 2 52.9	19.945	0.043	0.22	71.3	2 10 55 136	65 847
1811	8.6	11 36 36.17	+3.4143	−0.0908	+0.121	+ 68 16 42.9	−19.950	−0.042	+0.23	71.6	5 53 135	68 660
1812	8.6	36 40.30	3.4010	0.0869	0.111	67 32 59.8	19.950	0.042	0.23	71.9 71.6	9 56 134	67 717
1813	8.8	36 46.04	3.3609	0.0748	0.087	64 53 2.9	19.951	0.041	0.22	74.0	4 57 135 296	64 862
1814	7.9	37 7.79	3.3666	0.0778	0.093	65 39 27.6	19.954	0.040	0.22	71.6	3 57 134	65 848
1815	8.9	37 27.88	3.3829	0.0841	0.106	67 5 56.3	19.957	0.040	0.22	70.6	9 10 54	67 718
1816	7.3[3]	11 38 3.98	+3.3815	−0.0859	+0.111	+ 67 33 25.9	−19.962	−0.039	+0.22	76.0	5 54 293 296	67 719
1817	8.4	38 38.17	3.3548	0.0794	0.097	66 13 56.8	19.967	0.037	0.22	74.0	2 52 136 293	66 731
1818	8.3	38 46.66	3.4049	0.0968	0.136	69 36 45.2	19.968	0.037	0.23	74.0	6 53 134 296	69 625
1819	9.5	39 49.71	3.3415	0.0795	0.098	66 25 10.0	19.977	0.034	0.21	70.8	4 5 52α 57	66 732
1820	7.4	40 14.89	3.3200	0.0737	0.087	65 5 15.3	19.980	0.033	0.21	71.6	3 55 136	65 851
1821	8.9	11 40 33.76	+3.3133	−0.0726	+0.085	+ 64 50 1.0	−19.982	−0.032	+0.21	71.9 71.6	4 52 135	64 866
1822	9.3	40 45.52	3.3223	0.0765	0.093	65 51 7.8	19.984	0.032	0.21	71.6	2 54 134	65 852
1823	8.2	41 16.36	3.3345	0.0830	0.107	67 24 41.7	19.987	0.031	0.21	71.6	6 52 136	67 721
1824	8.7	41 30.64	3.3682	0.0968	0.140	69 59 44.5	19.989	0.031	0.22	74.0	6 53 134 296	70 675
1825	8.6	41 36.67	3.3467	0.0891	0.121	68 40 12.4	19.990	0.031	0.22	71.6	5 54 136	68 661
1826	7.1[4]	11 42 20.67	+3.3272	−0.0853	+0.113	+ 68 1 23.3	−19.995	−0.029	+0.21	71.2	2 3 53 134	68 662
1827	6.9	44 33.87	3.3133	0.0914	0.130	69 31 49.2	20.009	0.024	0.21	71.6	4 53 135	69 628
1828	8.9	45 8.90	3.2926	0.0858	0.117	68 33 3.5	20.012	0.023	0.21	72.0	3 54 134 136	68 664
1829	9.1	45 14.95	3.2813	0.0813	0.107	67 38 28.1	20.013	0.022	0.20	71.5	5 Beob. [5]	67 722
1830	9.2	45 51.46	3.2880	0.0880	0.123	69 5 21.0	20.016	0.021	0.20	71.6	5 53 135	69 629
1831	8.9	11 46 39.22	+3.2547	−0.0771	+0.099	+ 66 54 2.9	−20.020	−0.019	+0.20	71.3 71.6	4 6α 53 134	67 723
1832	8.4	46 44.43	3.2439	0.0725	0.089	65 44 55.3	20.021	0.019	0.19	70.9	2 52 55	65 855
1833	8.6	47 37.96	3.2336	0.0726	0.090	65 54 57.7	20.025	0.017	0.19	72.0	3 52 135 136	66 734
1834	7.0	49 2.12	3.2301	0.0801	0.107	67 57 39.7	20.031	0.014	0.19	71.3	3 5 54 136	68 666
1835	9.3	49 20.94	3.2422	0.0894	0.130	69 55 14.4	20.033	0.013	0.20	70.8	4 53	70 678
1836	6.2	11 50 1.66	+3.2025	−0.0712	+0.089	+ 65 56 21.4	−20.035	−0.012	+0.19	71.0	2 52 55 56	66 737
1837	8.4	51 17.50	3.1965	0.0776	0.104	67 46 34.6	20.040	0.009	0.19	71.7	5 Beob. [6]	67 725
1838	6.7	51 27.96	3.1986	0.0807	0.111	68 30 32.4	20.040	0.009	0.19	71.6	4 54 135	68 667
1839	8.5	51 51.89	3.1990	0.0849	0.122	69 28 40.5	20.042	0.008	0.19	71.6	5 53 134	69 633
1840	9.1	53 12.27	3.1796	0.0851	0.124	69 44 29.5	20.045	0.005	0.18	72.0	4 53 134 136	69 635
1841	9.1	11 53 12.67	+3.1594	−0.0679	+0.084	+ 65 33 27.8	−20.045	−0.005	+0.18	73.5	2 52 55 293	65 862
1842	9.2	53 23.94	3.1642	0.0741	0.098	67 16 20.7	20.046	0.005	0.18	74.0	3 54 135 296	67 727
1843	7.0	54 8.89	3.1654	0.0849	0.125	69 52 55.0	20.048	0.003	0.18	72.0	5 53 134 136	69 636
1844	8.8	54 39.14	3.1466	0.0731	0.096	67 14 30.7	20.049	0.002	0.18	71.6	6 54 135	67 728
1845	6.8	54 56.86	3.1411	0.0713	0.093	66 49 9.1	20.049	0.002	0.18	70.8	4 56	66 742
1846	7.0	11 55 11.57	+3.1342	−0.0670	+0.084	+ 65 38 13.0	−20.050	−0.001	+0.18	70.7	2 52	65 863
1847	9.1	56 16.83	3.1204	0.0668	0.084	65 45 56.6	20.052	+0.001	0.17	73.2	3 55 293	65 864
1848	6.3	57 12.58	3.1163	0.0814	0.119	69 42 57.7	20.053	+0.003	0.17	71.6	4 54 134	69 638
1849	7.7	57 19.75	3.1142	0.0809	0.118	69 37 52.8	20.053	+0.003	0.17	71.6	5 54 136	69 639
1850	8.9	57 21.85	3.1066	0.0665	0.084	65 54 0.9	20.053	+0.003	0.17	71.6	2 56 135	66 744

[1] E.B. −0s.0063 +0″.033 [2] Dupl. 2″ [3] Gelb [4] 8m.5 austr. 10″ [5] Z. 2 52 55 56 134 [6] Z. 3 6 52 134 136

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
1851	8.0	11h 57m 54s.49	+3s.0982	−0s.0627	+0s.077	+ 64° 47′ 25″.5	−20″.053	+0″.004	+0″.17	70.8	3 55	64° 877
1852	7.5	58 13.18	3.0967	0.0698	0.092	67 1 51.2	20.054	0.005	0.17	71.6	5 55 134	67 730
1853	7.3	59 14.35	3.0841	0.0785	0.115	69 29 29.4	20.054	0.007	0.17	73.9	5 Beob. [1]	69 642
1854	7.5	59 14.67	3.0840	0.0785	0.114	69 27 19.7	20.054	0.007	0.17	71.9	5 Beob. [2]	69 641
1855	9.1	59 38.51	3.0778	0.0783	0.114	69 29 33.9	20.054	0.008	0.17	72.3	3 135 136	69 643
1856	6.6	11 59 43.10	+3.0766	−0.0778	+0.113	+ 69 23 45.1	−20.054	+0.008	+0.17	74.2	2 56 293	69 644
1857	7.7[3]	12 0 51.24	3.0587	0.0784	0.116	69 46 16.1	20.054	0.010	0.16	70.8	4 54	69 645
1858	8.6	1 28.40	3.0536	0.0621	0.078	65 17 29.0	20.054	0.011	0.16	70.6	2 5 52	65 867
1859	7.0	2 17.60	3.0422	0.0639	0.082	66 2 44.3	20.053	0.013	0.16	70.8	3 52	66 746
1860	8.4	3 31.41	3.0180	0.0740	0.108	69 15 34.1	20.052	0.015	0.16	70.8	4 53	69 647
1861	8.9	12 3 57.85	+3.0206	−0.0623	+0.080	+ 65 52 11.7	−20.051	+0.016	+0.16	74.2	2 52 293	65 871
1862	8.0	4 19.82	3.0145	0.0635	0.083	66 21 32.9	20.051	0.017	0.16	70.8	5 54	66 748
1863	8.4	4 26.47	3.0033	0.0737	0.108	69 24 3.5	20.050	0.017	0.16	70.8	6 53	69 648
1864	9.4	4 32.04	3.0154	0.0596	0.074	65 1 55.3	20.050	0.017	0.16	70.8	3 54	65 872
1865	8.9	5 40.20	3.0016	0.0586	0.073	64 54 20.8	20.048	0.019	0.16	71.6	2 52 134	65 873
1866	8.3[4]	12 5 50.32	+2.9821	−0.0721	+0.106	+ 69 17 55.2	−20.048	+0.020	+0.15	70.8	4 53	69 649
1867	6.9	5 55.98	2.9975	0.0591	0.074	65 9 33.5	20.048	0.020	0.15	71.6	5 54 134	65 874
1868	8.3	6 34.85	2.9837	0.0626	0.082	66 33 47.2	20.046	0.021	0.15	71.6	3 52 134	66 750
1869	8.5[5]	7 1.59	2.9720	0.0659	0.091	67 46 6.9	20.045	0.022	0.15	74.0	6 53 134 296	67 735
1870	9.3	7 7.91	2.9734	0.0640	0.086	67 10 34.3	20.045	0.022	0.15	70.8	4 54	67 736
1871	8.6	12 7 42.31	+2.9752	−0.0580	+0.073	+ 65 8 35.4	−20.043	+0.023	+0.15	74.2	2 55 293	65 875
1872	6.5	8 0.74	2.9632	0.0623	0.083	66 48 15.0	20.042	0.024	0.15	70.8	3 55	66 751
1873	9.3	8 3.19	2.9485	0.0699	0.102	69 12 49.9	20.042	0.024	0.15	70.8	5 54	69 654
1874	8.4	9 11.18	2.9527	0.0589	0.076	65 51 43.3	20.038	0.026	0.15	70.6	2 6 55	65 877
1875	9.1	9 50.10	2.9161	0.0705	0.106	69 49 41.9	20.036	0.027	0.14	71.6	4 54 134	69 655
1876	9.1	12 10 54.06	+2.9373	−0.0552	+0.069	+ 64 46 49.1	−20.032	+0.029	+0.15	70.8	2 55	64 888
1877	9.2	11 26.90	2.9299	0.0551	0.069	64 52 5.9	20.029	0.030	0.15	71.6	3 55 56 135	64 889
1878	8.3	11 35.25	2.9087	0.0619	0.086	67 32 48.3	20.029	0.030	0.14	71.6	5 56 134	67 738
1879	8.4	12 0.76	2.9087	0.0596	0.080	66 48 30.2	20.027	0.031	0.14	70.8	6 56	66 752
1880	7.1	12 7.79	2.8832	0.0673	0.100	69 29 26.2	20.026	0.031	0.14	71.6	4 54 134	69 657
1881	8.2	12 12 15.97	+2.8963	−0.0623	+0.087	+ 67 52 53.8	−20.026	+0.031	+0.14	74.3 75.1	6 56 293	67 739
1882	8.5	12 51.33	2.8743	0.0659	0.098	69 15 22.0	20.023	0.032	0.14	70.8	5 54	69 659
1883	7.4	12 59.40	2.9016	0.0570	0.075	66 3 40.3	20.022	0.033	0.14	74.0	3 56 135 296	66 754
1884	8.8	14 24.73	2.8881	0.0547	0.071	65 28 18.5	20.015	0.035	0.14	71.6	2 55 134	65 878
1885	6.7	14 28.27	2.8727	0.0586	0.080	67 5 6.4	20.014	0.035	0.14	70.6	4 5 54	67 742
1886	9.4	12 16 59.24	+2.8161	−0.0613	+0.090	+ 68 52 20.9	−19.999	+0.039	+0.13	71.3 71.4	3 6 56 135	68 682
1887	8.3	17 2.59	2.8105	0.0621	0.093	69 13 4.2	19.999	0.039	0.13	71.6	4 54 134	69 661
1888	8.9	17 40.46	2.8072	0.0604	0.088	68 45 49.8	19.995	0.040	0.13	71.6	5 54 134	68 683
1889	8.2	17 55.53	2.8460	0.0520	0.067	65 13 13.7	19.993	0.041	0.13	73.5 73.8	2 55 56 293	65 880
1890	7.9	18 45.60	2.8399	0.0506	0.065	64 47 55.7	19.987	0.043	0.13	74.0	3 55 135 296	64 894
1891	9.3	12 18 56.66	+2.8384	−0.0504	+0.064	+ 64 43 32.9	−19.986	+0.043	+0.13	70.6	4 6 56	64 895
1892	9.1	20 10.00	2.7730	0.0579	0.084	68 33 58.9	19.977	0.044	0.12	70.6	2 5 54	68 684
1893	7.9	22 41.75	2.7730	0.0509	0.068	66 9 53.3	19.956	0.049	0.12	71.6	6 55 135	66 761
1894	8.4	23 10.60	2.7091	0.0577	0.088	69 36 40.3	19.952	0.049	0.11	74.0	7 56 134 296	69 664
1895	6.8	23 44.47	2.7371	0.0529	0.075	67 35 7.1	19.947	0.050	0.12	74.0	6 55 134 296	67 746
1896	9.0	12 24 4.35	+2.7008	−0.0563	+0.085	+ 69 19 36.4	−19.944	+0.050	+0.11	73.5 74.3	9 56α 58 293	69 665
1897	5.0[7]	24 37.30	2.6806	0.0570	0.088	69 53 39.3	19.939	0.051	0.11	73.3[8]	5 Beob. [6]	70 700
1898	7.1	25 21.33	2.7313	0.0499	0.068	66 35 20.2	19.932	0.053	0.12	70.8	9 60	66 763
1899	8.9	26 0.46	2.7105	0.0507	0.071	67 17 32.6	19.925	0.053	0.11	74.1	9 60 134 296	67 750
1900	9.0	26 13.97	2.7053	0.0507	0.072	67 24 27.2	19.923	0.054	0.11	71.1	7 8 60 135	67 751

[1] Z. 5 54 135 136 293 [2] Z. 4 54 56 135 136 [3] 9m.2 austr. 12″ [4] Einfach [5] Com. neb. (?) 14″ 190°
[6] Z. 7 8 58 135 296 [7] Rothgelb [8] E.B. −0s.007 −0″.064

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
1901	7.4	12h 26m 24s.12	+2s.6676	−0s.0540	+0s.082	+ 69° 12′ 22″.4	−19″.921	+0″.053	+0″.11	71.6	9 60 135	69°.666
1902	9.1	28 56.82	2.6956	0.0463	0.063	65 54 33.2	19.895	0.058	0.11	71.8	8 137	66 764
1903	9.3	29 34.27	2.6451	0.0494	0.072	68 3 56.7	19.888	0.058	0.11	75.0	8 137 296	68 688
1904	7.5	30 32.10	2.5921	0.0512	0.080	69 42 9.7	19.876	0.059	0.10	70.8	10 60	69 669
1905	8.6	31 14.53	2.6657	0.0449	0.061	65 55 17.2	19.868	0.061	0.11	70.8	8 57	66 765
1906	9.3	12 31 16.02	+2.6261	−0.0477	+0.069	+ 67 49 35.6	−19.868	+0.061	+0.10	71.6	11 54 134	67 755
1907	9.0	31 44.35	2.6807	0.0429	0.056	64 45 45.0	19.862	0.063	0.11	70.8	9 55	64 909
1908	8.5	31 53.43	2.6698	0.0435	0.058	65 15 30.9	19.860	0.063	0.11	70.8	10 56	65 891
1909	9.1	32 12.71	2.6296	0.0459	0.065	67 3 55.0	19.856	0.062	0.11	71.7	11 54 137	67 756
1910	9.3	32 19.33	2.6697	0.0429	0.057	64 58 27.2	19.855	0.063	0.11	70.8	10 57	65 892
1911	9.0	12 32 36.56	+2.6396	−0.0446	+0.061	+ 66 20 13.2	−19.852	+0.063	+0.11	70.8	8 59	66 766
1912	9.4	32 44.67	2.6479	0.0438	0.059	65 50 19.7	19.850	0.063	0.11	71.6	9 55 135	65 893
1913	8.7	33 24.80	2.5862	0.0466	0.069	68 12 56.5	19.842	0.063	0.10	71.6	10 58 134	68 690
1914	8.7	33 30.24	2.5868	0.0464	0.068	68 8 17.5	19.840	0.063	0.10	70.8	11 60	68 691
1915	8.7	33 32.21	2.5714	0.0472	0.071	68 43 57.3	19.840	0.063	0.10	70.8	10 59	68 692
1916	9.2	12 33 52.42	+2.5933	−0.0455	+0.066	+ 67 39 17.6	−19.836	+0.064	+0.10	70.8	11 56	67 758
1917	8.7[1]	34 9.48	2.6394	0.0423	0.057	65 21 43.1	19.832	0.066	0.11	71.6	8 57 135	65 894
1918	8.7	34 52.40	2.6201	0.0424	0.058	65 51 21.1	19.823	0.066	0.10	70.8	9 57	65 895
1919	8.1	35 1.33	2.5283	0.0469	0.073	69 29 16.5	19.821	0.065	0.09	74.1[2]	10 60 135 296	69 671
1920	8.1	35 19.61	2.5506	0.0454	0.068	68 31 8.2	19.816	0.065	0.10	71.7	11 59 137	68 693
1921	9.0	12 35 52.85	+2.5234	−0.0458	+0.070	+ 69 12 8.6	−19.809	+0.066	+0.09	71.8	11 137	69 673
1922	9.4	35 56.72	2.5183	0.0459	0.071	69 20 34.1	19.808	0.066	0.09	71.8	10 137	69 672
1923	8.9	36 10.51	2.6000	0.0418	0.057	66 0 30.0	19.805	0.068	0.10	71.6	8 57 135	66 767
1924	9.3	36 36.87	2.5358	0.0442	0.066	68 22 28.5	19.799	0.067	0.09	71.6	9 59 135	68 694
1925	7.5	38 2.31	2.5611	0.0413	0.058	66 37 49.1	19.779	0.070	0.10	70.8	9 57	66 768
1926	8.1	12 38 15.91	+2.5096	−0.0430	+0.065	+ 68 27 3.3	−19.775	+0.069	+0.09	74.0	10 58 137 294	68 695
1927	8.9	39 2.23	2.5548	0.0403	0.056	66 20 57.7	19.764	0.072	0.10	74.1	9 59 135 296	66 769
1928	9.3	39 4.56	2.5478	0.0405	0.057	66 36 38.0	19.763	0.072	0.10	70.3	8	[66 770]
1929	8.5	39 45.35	2.5703	0.0388	0.053	65 18 45.2	19.753	0.073	0.10	70.6	8 11 57	65 899
1930	8.7	40 11.70	2.5280	0.0399	0.057	66 47 58.1	19.747	0.073	0.09	74.0	10 59 137 294	66 771
1931	8.7	12 40 26.48	+2.4667	−0.0416	+0.063	+ 68 48 52.6	−19.743	+0.072	+0.09	71.6	10 58 135	68 696
1932	8.8	40 56.32	2.5471	0.0384	0.053	65 39 34.9	19.735	0.074	0.10	70.6	9 12 57	65 901
1933	6.0	42 27.49	2.4785	0.0389	0.057	67 28 23.6[3]	19.711	0.075	0.09	71.6 72.3[4]	9α 58 135	67 764
1934	9.0	42 51.07	2.5110	0.0376	0.052	66 6 58.4	19.705	0.077	0.09	71.3	8 12 57 137	66 772
1935	8.9	43 32.70	2.5172	0.0366	0.050	65 32 16.4	19.693	0.078	0.09	70.8	10 59	65 902
1936	7.9	12 43 43.95	+2.5179	−0.0364	+0.050	+ 65 25 5.2	−19.690	+0.078	+0.09	71.6	10 57 135	65 903
1937	9.1	45 36.22	2.5078	0.0349	0.047	64 54 33.0	19.659	0.081	0.09	70.7	9 11 57	65 906
1938	7.8	46 20.10	2.3357	0.0370	0.060	69 58 26.9	19.646	0.077	0.08	71.6	11 58 137	70 715
1939	9.3	46 45.10	2.4297	0.0356	0.052	67 8 40.1	19.638	0.080	0.08	74.0	10 58 135 296	67 766
1940	7.8	47 39.03	2.4131	0.0350	0.051	67 16 54.5	19.622	0.081	0.08	71.7	12 58 137	67 767
1941	9.1	12 47 57.16	+2.4710	−0.0337	+0.046	+ 65 12 37.7	−19.617	+0.083	+0.09	71.6	8 57 135	65 908
1942	8.9	48 8.72	2.4630	0.0337	0.047	65 24 39.3	19.613	0.083	0.09	70.8	11 59	65 909
1943	8.8	48 22.97	2.4292	0.0341	0.049	66 27 27.2	19.609	0.083	0.08	70.8	12 59	66 775
1944	9.3	48 31.72	2.4744	0.0331	0.045	64 49 33.3	19.606	0.084	0.09	70.8	12 57	64 920
1945	9.1	48 53.07	2.4383	0.0335	0.047	65 56 29.6	19.600	0.084	0.08	71.7	8 59 137	66 776
1946	9.2	12 49 40.98	+2.3250	−0.0340	+0.053	+ 68 57 1.9	−19.585	+0.081	+0.07	70.8	11 58	69 676
1947	8.6	50 1.13	2.4550	0.0323	0.044	64 52 27.8	19.579	0.086	0.09	74.3	12 57 296	64 923
1948	**5.0**	**50 29.62**	**2.4124**	**0.0326**	**0.046**	**66 7 1.1**	**19.569**	**0.085**	**0.08**		**Fund. Cat.[5]**	**66 778**
1949	8.5	51 7.71	2.3256	0.0328	0.050	68 23 16.2	19.557	0.083	0.07	74.0	11 58 137 294	68 701
1950	5.8[6]	51 30.51	2.3813	0.0321	0.047	66 40 19.0	19.550	0.086	0.08	70.8	8 57	66 780

[1] Einfach [2] E.B. [3] δ Z. 9 ausgeschlossen [4] E.B. 0s.000 −0s.004 [5] E.B. +0s.003 −0s.051 [6] Roth

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
1951	8.8	12h 51m 41.60	+2.3218	−0.0323	+0.050	+ 68° 16′ 27.5	−19.546	+0.084	+0.07	70.8	11 59	68° 702
1952	7.0	51 58.44	2.2770	0.0320	0.051	69 17 38.6	19.541	0.083	0.07	74.9 75.4	5 Beob. [1]	69 677
1953	9.4	52 5.30	2.3692	0.0318	0.046	66 48 15.8	19.539	0.086	0.08	70.8	13 59	66 781
1954	6.6	52 9.92	2.3286	0.0319	0.048	67 55 6.7	19.537	0.085	0.08	70.8	11 60	68 703
1955	6.1	53 22.68	2.3920	0.0306	0.043	65 36 3.4	19.513	0.089	0.08	71.6	8 57 137	65 913
1956	8.2	12 53 22.74	+2.3331	−0.0310	+0.046	+ 67 20 22.4	−19.513	+0.087	+0.08	71.7	11 59 138	67 771
1957	6.8	53 32.06	2.2497	0.0307	0.050	69 22 53.4	19.510	0.084	0.07	70.8	10 58	69 680
1958	7.7	54 19.16	2.2348	0.0300	0.049	69 27 5.1	19.494	0.085	0.07	76.0 [2]	10 58 294 297	69 681
1959	9.1	54 52.67	2.2683	0.0298	0.047	68 28 33.6	19.482	0.087	0.07	71.7	8 59 138	68 704
1960	5.5	55 11.57	2.3110	0.0297	0.045	67 16 19.8	19.476	0.089	0.07	71.6 [3]	9 57 137	67 773
1961	9.4	12 56 7.57	+2.1989	−0.0283	+0.047	+ 69 38 13.1	−19.456	+0.086	+0.07	70.8	8 58	69 683
1962	8.3	57 13.60	2.2365	0.0280	0.044	68 25 52.2	19.432	0.089	0.07	71.6	9 57 138	68 705
1963	8	57 19.39	2.1791	0.0273	0.045	69 40 12.0	19.430	0.087	0.06	70.8	8 58	69 685
1964	8.8	58 48.90	2.2311	0.0270	0.042	68 1 43.9	19.398	0.091	0.07	71.6	9 58 137	68 708
1965	8.9	59 25.14	2.2822	0.0268	0.040	66 32 47.6	19.384	0.094	0.07	71.6	8 57 137	66 787
1966	8.8	12 59 52.34	+2.2174	−0.0262	+0.041	+ 68 0 13.1	−19.374	+0.092	+0.07	71.6	9 58 138	68 709
1967	8.8	13 0 11.62	2.2045	0.0258	0.041	68 11 51.5	19.367	0.092	0.07	74.1	10 60 138 294	68 710
1968	9.2	0 13.96	2.3183	0.0264	0.038	65 15 52.4	19.366	0.096	0.07	70.8	10 57	65 915
1969	9.1	0 41.12	2.2614	0.0260	0.039	66 39 33.8	19.355	0.095	0.07	74.1	9 59 138 294	66 789
1970	9.0	0 54.95	2.3093	0.0260	0.037	65 16 56.0	19.350	0.097	0.07	74.3	8 57 294	65 916
1971	8.4	13 1 0.84	+2.2695	−0.0259	+0.038	+ 66 20 12.7	−19.348	+0.095	+0.07	71.6	9 57 137	66 790
1972	9.0	2 35.95	2.1356	0.0235	0.039	68 56 26.2	19.311	0.092	0.06	71.6	8 58 138	69 687
1973	7.6	4 13.99	2.2322	0.0238	0.036	66 14 23.1	19.272	0.098	0.07	71.3	8 57 97	66 793
1974	9.1	4 39.65	2.1127	0.0220	0.037	68 47 53.1	19.261	0.094	0.06	70.8	9 58	68 713
1975	8.6	5 7.83	2.0951	0.0214	0.036	69 0 43.7	19.250	0.094	0.06	71.6	10 58 138	69 689
1976	8.9	13 5 39.35	+2.2288	−0.0230	+0.034	+ 65 52 16.5	−19.237	+0.100	+0.07	71.7	9 59 137	65 920
1977	9.4	5 39.98	2.2683	0.0233	0.034	64 49 41.2	19.237	0.102	0.07	70.8	12 57	64 933
1978	7.5	6 4.06	2.2091	0.0227	0.034	66 13 59.8	19.227	0.100	0.07	71.7	8 59 138	66 796
1979	8.3	6 13.18	2.1217	0.0214	0.035	68 9 39.3	19.223	0.096	0.06	71.6	10 58 137	68 714
1980	9.8 [4]	6 30.07	2.1630	0.0219	0.034	67 11 0.1	19.216	0.098	0.06	70.3	9	[67 776]
1981	6.8	13 8 43.16	+2.0962	−0.0197	+0.032	+ 67 58 19.9	−19.159	+0.099	+0.06	71.3	8 59 97	68 717
1982	8.8	8 48.30	2.0827	0.0194	0.032	68 13 13.3	19.157	0.098	0.06	70.8	11 60	68 718
1983	8.7	8 54.92	2.0956	0.0196	0.032	67 55 45.9	19.154	0.099	0.06	71.7	12 59 138	68 719
1984	8.3	8 59.17	2.0039	0.0174	0.031	69 38 36.2	19.153	0.095	0.05	74.3	11 60 294	69 692
1985	6.5	9 11.69	2.0907	0.0194	0.032	67 57 1.5	19.147	0.099	0.06	71.8	8 61 97 138	68 720
1986	8.7	13 9 40.44	+1.9747	−0.0162	+0.030	+ 69 57 57.1	−19.135	+0.094	+0.05	70.9	12 60	70 731
1987	8.7	10 14.12	2.2090	0.0207	0.031	64 57 26.3	19.120	0.105	0.07	70.8	11 59	65 923
1988	9.0	11 12.34	2.0527	0.0177	0.030	68 9 16.7	19.094	0.100	0.06	71.3	12 13 60 138	68 721
1989	8.4	11 21.57	2.0225	0.0169	0.029	68 41 7.4	19.090	0.099	0.05	70.9	13 61	68 722
1990	7.0	11 37.34	2.1334	0.0191	0.030	66 21 14.5	19.083	0.104	0.06	71.4	8 59 61 97	66 800
1991	8.6	13 11 44.67	+2.1336	−0.0191	+0.030	+ 66 18 53.3	−19.080	+0.104	+0.06	71.8	11 137	66 801
1992	8.8	11 56.90	2.1104	0.0186	0.030	66 46 10.6	19.074	0.103	0.06	70.8	11 59	66 802
1993	6.0	12 21.75	1.9869	0.0156	0.028	69 4 0.7	19.063	0.098	0.05	73.7	5 Beob. [5]	69 694
1994	7.4	14 3.00	2.0030	0.0154	0.027	68 20 45.7	19.017	0.101	0.05	73.3	8 13 60 297	68 723
1995	9.2	14 36.43	1.9307	0.0131	0.025	69 27 56.8	19.001	0.098	0.05	74.1	11 60 138 294	69 695
1996	7.9	13 14 44.63	+2.0199	−0.0156	+0.027	+ 67 51 6.2	−18.997	+0.103	+0.05	71.1 71.3	10 59 97	67 780
1997	8.6	15 25.29	2.1408	0.0177	0.027	65 6 51.7	18.978	0.109	0.06	74.0 73.8	10 57 97 297	65 925
1998	8.9	15 28.78	2.1083	0.0172	0.027	65 50 27.9	18.976	0.108	0.06	71.3	8 12 59 137	65 926
1999	8.5	15 59.79	2.1055	0.0169	0.027	65 45 41.8	18.962	0.108	0.06	70.8	9 13 57 61	65 927
2000	6.9	16 51.16	1.8791	0.0106	0.022	69 45 31.8	18.937	0.098	0.05	71.0	8 58 60	69 696

[1] Z. 12 13 58 294 297 [2] E.B. −0.0586 +0.257 (BB VII) [3] E.B. −0.020 −0.013 [4] Austr. praec.
[5] Z. 12 61 97 138 294

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2001	8.7	13h 17m 23.s30	+1.s8962	−0.s0111	+0.s022	+ 69°21′ 43.″8	−18.″922	+0.″100	+0.″05	71.3	9 13 58 138	69°697
2002	8.2	18 39.63	2.0419	−0.0147	+0.024	66 24 42.0	18.885	0.108	0.06	70.8	8 9 57 59	66 805
2003	8.8	20 10.26	2.0493	−0.0144	+0.024	65 52 15.7	18.840	0.111	0.06	71.3	8 57 61 97	65 931
2004	7.2	20 31.23	1.9979	−0.0131	+0.023	66 48 58.3	18.829	0.108	0.05	70.8	11 59	66 807
2005	9.2	21 0.06	1.8778	−0.0095	+0.019	68 49 21.5	18.815	0.103	0.05	70.8	12 58	68 724
2006	8.1	13 21 2.66	+2.0565	−0.0143	+0.023	+ 65 29 48.2	−18.813	+0.112	+0.06	71.6	11 57 137	65 932
2007	6.7	22 52.07	2.0400	−0.0134	+0.022	65 22 58.6	18.758	0.113	0.06	73.8	11 59 97 297	65 935
2008	8.7	22 52.31	1.8484	−0.0080	+0.017	68 52 13.3	18.757	0.103	0.05	71.4	12 61 97	68 726
2009	6.8	22 58.09	2.0396	−0.0133	+0.022	65 21 59.3	18.754	0.113	0.06	74.3	11 59 297	65 936
2010	9.0	24 23.43	2.0223	−0.0125	+0.021	65 22 35.6	18.710	0.114	0.06	71.4	11 59 97	65 937
2011	7.9	13 25 8.18	+1.8896	−0.0088	+0.018	+ 67 41 18.0	−18.686	+0.108	+0.05	71.4	12 61 97	67 786
2012	9.0	25 21.89	2.0044	−0.0118	+0.020	65 30 18.2	18.679	0.115	0.05	70.8	11 61	65 939
2013	7.1	25 40.52	2.0335	−0.0123	+0.021	64 49 33.5	18.669	0.116	0.06	70.8	13 59	64 951
2014	7.9	27 4.43	1.7859	−0.0048	+0.013	68 55 13.6	18.624	0.105	0.05	71.7	12 58 137	69 703
2015	8.8	27 15.83	1.7139	−0.0018	+0.009	69 54 29.0	18.618	0.101	0.05	71.7	13 58 139	70 743
2016	9.0	13 27 22.89	+1.9700	−0.0105	+0.019	+ 65 42 27.3	−18.614	+0.115	+0.05	70.8	11 57	65 941
2017	8.6	27 35.74	1.8026	−0.0053	+0.013	68 33 28.6	18.607	0.106	0.05	71.7	12 60 138	68 728
2018	8.7	27 48.40	1.9729	−0.0104	+0.019	65 33 10.0	18.600	0.115	0.05	73.8	8 59 97 297	65 942
2019	9.3	28 1.51	1.7045	−0.0013	+0.008	69 52 59.0:	18.593	0.101	0.05	71.4	13 58 97 [2]	69 704
2020	8.4	28 10.81	1.9904	−0.0108	+0.019	65 6 56.2	18.588	0.117	0.05	70.8	14 57	65 943
2021	9.4	13 28 15.62	+1.9579	−0.0100	+0.018	+ 65 44 19.8	−18.585	+0.115	+0.05	71.8	11 59 97 137	65 944
2022	8.9	28 32.89	1.9417	−0.0095	+0.018	65 58 52.4	18.576	0.115	0.05	71.6	8 57 138	66 810
2023	8.3[1]	30 28.80	1.7729	−0.0037	+0.011	68 24 31.7	18.512	0.107	0.05	70.8	13 58	68 730
2024	7.7	30 50.41	1.9185	−0.0083	+0.016	65 53 47.1	18.499	0.116	0.05	73.4	12 15 61 297	65 946
2025	9.3	31 32.12	1.8643	−0.0066	+0.014	66 42 48.8	18.476	0.114	0.05	70.9	12 60	66 813
2026	8.6	13 32 20.93	+1.6909	−0.0001	+0.007	+ 69 13 1.9	−18.448	+0.105	+0.05	76.6	13 137 294 297	69 707
2027	9.2	32 28.81	1.7946	−0.0041	+0.012	67 39 48.8	18.444	0.111	0.05	75.0	12 138 294	67 788
2028	8.8	32 45.16	1.9103	−0.0076	+0.015	65 37 35.9	18.434	0.118	0.05	71.8	14 139	65 948
2029	6.4	33 19.05	1.7829	−0.0036	+0.011	67 40 29.5	18.415	0.111	0.05	71.8	12 138	67 790
2030	8.3	33 20.02	1.7621	−0.0028	+0.010	67 59 34.2	18.414	0.110	0.05	75.0	13 137 294	68 732
2031	9.0	13 33 25.39	+1.9083	−0.0075	+0.015	+ 65 31 1.7	−18.411	+0.118	+0.05	71.9	15 139	65 949
2032	9.0	33 33.28	1.8641	−0.0062	+0.014	66 17 1.0	18.406	0.116	0.05	71.8	14 139	66 814
2033	9.1	34 10.06	1.7500	−0.0022	+0.009	68 0 30.1	18.385	0.110	0.05	75.0	13 137 294	68 733
2034	7.7	34 21.00	1.7969	−0.0039	+0.011	67 14 31.2	18.379	0.113	0.05	75.0	14 138 297	67 792
2035	8.7	34 54.21	1.7524	−0.0022	+0.009	67 49 31.2	18.359	0.111	0.05	71.8	12 137	67 793
2036	8.9	13 35 13.35	+1.6854	+0.0005	+0.006	+ 68 44 19.3	−18.348	+0.107	+0.05	71.8	14 138	68 735
2037	9.0	35 18.02	1.5887	+0.0048	0.000	69 59 48.4	18.345	0.102	0.05	75.0	15 139 294	70 750
2038	8.6	36 44.77	1.6167	+0.0036	+0.002	69 22 35.9	18.294	0.104	0.05	76.6	13 137 294 297	69 710
2039	8.8	36 50.93	1.6156	+0.0036	+0.002	69 22 22.4	18.290	0.104	0.05	75.1	13 137 212 297	69 711
2040	5.7	37 36.46	1.8628	−0.0054	+0.012	65 27 14.0	18.263	0.120	0.05	71.4	12 59 97	65 953
2041	6.4	13 38 16.50	+1.8294	−0.0042	+0.011	+ 65 54 12.6	−18.239	+0.119	+0.05	71.7	14 60 139	66 816
2042	9.0	38 17.47	1.8808	−0.0057	+0.013	64 59 5.5	18.238	0.122	0.05	71.4	11 59 97	65 954
2043	8.7	38 54.15	1.8152	−0.0037	+0.011	66 1 5.4	18.216	0.119	0.05	71.8 72.3	12 138	66 817
2044	8.3	39 12.92	1.7452	−0.0013	+0.008	67 5 18.5	18.204	0.115	0.05	71.8	14 137	67 797
2045	8.5	39 14.58	1.6077	+0.0041	+0.001	69 2 26.0	18.203	0.106	0.05	74.3	15 58 294	69 712
2046	8.2	13 39 29.11	+1.6540	+0.0022	+0.003	+ 68 22 21.0	−18.194	+0.109	+0.05	72.3	15 60 212	68 738
2047	9.0	39 40.67	1.5765	+0.0056	−0.001	69 21 49.2	18.187	0.105	0.05	71.7	13 58 138	69 714
2048	8.9	40 18.22	1.8585	−0.0047	+0.012	64 58 28.4	18.164	0.123	0.05	73.8	11 59 97 297	65 956
2049	8.0	40 21.45	1.8189	−0.0036	+0.010	65 39 41.5	18.162	0.120	0.05	71.8	12 139	65 957
2050	9.1	40 39.84	1.8094	−0.0032	+0.010	65 45 45.6	18.151	0.120	0.05	71.8	14 139	65 958

[1] 9m.3 bor. 6″ [2] δ Z. 97 −10″ corrigirt

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B.D.
2051	9.2	13h40m57s.78	+1s.6513	+0s.0025	+0s.003	+ 68° 8' 18".6	−18".140	+0".111	+0".05	71.9	60 97	68°740
2052	9.2	41 8.82	1.8311	−0.0038	+0.011	65 17 28.3	18.133	0.122	0.05	72.6 72.9	12 59 139 212	65 960
2053	7.8[1]	41 14.41	1.5148	+0.0086	−0.005	69 50 50.9	18.129	0.102	0.05	70.8	13 58	69 716
2054	8.8	41 25.26	1.6026	+0.0046	0.000	68 42 57.9	18.122	0.108	0.05	72.8	97 137	68 741
2055	7.3	41 41.68	1.8268	−0.0036	+0.010	65 15 23.4	18.112	0.122	0.05	70.8	12α 14 59	65 961
2056	8.7	13 41 57.27	+1.7535	−0.0012	+0.008	+ 66 25 48.0	−18.102	+0.118	+0.05	72.6	11 61 138 212	66 818
2057	6.8	42 5.76	1.5213	+0.0083	−0.005	69 37 22.3	18.097	0.103	0.05	70.9	15 60	69 717
2058	8.7	42 23.29	1.6491	+0.0027	+0.003	67 54 33.1	18.086	0.112	0.05	73.6	97 137 212	68 743
2059	9.0	42 48.11	1.5014	+0.0093	−0.006	69 44 26.8	18.070	0.103	0.05	70.9	13 60	69 718
2060	8.2	43 40.03	1.6973	+0.0010	+0.005	66 58 30.7	18.037	0.116	0.05	74.1	11 59 138 294	67 802
2061	9.1	13 43 42.13	+1.4797	+0.0104	−0.008	+ 69 50 41.6	−18.036	+0.102	+0.05	74.3	13 58 297	69 719
2062	8.4	43 50.52	1.6239	+0.0038	+0.001	67 59 50.4	18.031	0.111	0.04	70.9	14 69	68 744
2063	9.1	46 4.48	1.6914	+0.0014	+0.004	66 37 17.0	17.944	0.118	0.05	74.3 74.9	13 97 137 297	66 820
2064	8.8	46 40.52	1.5249	+0.0083	−0.004	68 48 13.6	17.921	0.108	0.04	71.8	15 138	68 746
2065	9.0	46 43.63	1.6206	+0.0042	+0.001	67 31 57.2	17.919	0.114	0.04	72.4 72.0	15 97 139	67 804
2066	8.0	13 46 57.35	+1.6823	+0.0019	+0.004	+ 66 35 57.6	−17.910	+0.118	+0.05	71.7	14 61 139	66 821
2067	8.9	47 18.63	1.5985	+0.0051	0.000	67 44 7.0	17.896	0.113	0.04	73.0	15 139 212	67 805
2068	5.0	47 46.91	1.7526	−0.0005	+0.006	65 20 28.5	17.877	0.123	0.05		Fund. Cat. [2]	65 963
2069	6.8	47 52.97	1.4266	+0.0130	−0.011	69 46 23.6	17.873	0.102	0.05	72.0	15 97 138	69 723
2070	6.3	47 55.31	1.4974	+0.0096	−0.006	68 56 8.4	17.872	0.107	0.05	75.0	13 138 294	69 724
2071	8.5	13 48 7.99	+1.4939	+0.0097	−0.006	+ 68 56 37.2	−17.863	+0.107	+0.05	75.0	13 138 294	69 725
2072	9.1	48 48.46	1.6779	+0.0022	+0.004	66 19 55.1	17.836	0.119	0.05	75.1	14 138 212 297	66 822
2073	7.4	49 53.09	1.7580	−0.0004	+0.006	64 51 39.3	17.793	0.126	0.05	74.1	14 62 139 294	64 970
2074	8.9	50 5.03	1.7563	−0.0003	+0.006	64 51 9.6	17.785	0.126	0.05	71.7	14 62 139	64 971
2075	8.0	50 44.96	1.3796	+0.0153	−0.014	69 50 46.6	17.758	0.101	0.05	73.8 74.4	13 60 97 297	69 726
2076	9.2	13 50 53.28	+1.5319	+0.0081	−0.004	+ 68 0 46.5	−17.752	+0.112	+0.04	72.1	15 61 140 R3	68 747
2077	9.0	51 53.37	1.6141	+0.0048	0.000	66 43 46.0	17.711	0.118	0.04	71.7	12 61 139	66 824
2078	8.7	52 25.67	1.4215	+0.0132	−0.011	69 6 54.7	17.689	0.105	0.05	76.6	60 97 294 298	69 728
2079	7.4	52 58.72	1.6531	+0.0034	+0.002	65 58 17.3	17.666	0.122	0.04	74.6[3]	14 61 212 297	66 825
2080	7.3	53 7.90	1.5389	+0.0079	−0.003	67 33 10.8	17.660	0.114	0.04	70.9	12 62	67 812
2081	8.1	13 53 21.57	+1.4596	+0.0114	−0.008	+ 68 31 6.6	−17.651	+0.109	+0.04	72.1	15 60 140 R3	68 748
2082	8.4	53 39.92	1.4419	+0.0122	−0.009	68 40 55.8	17.638	0.108	0.04	73.0	13 138 212	68 749
2083	9.1	54 12.06	1.5227	+0.0086	−0.004	67 35 28.0	17.616	0.114	0.04	71.9	60 97	67 813
2084	6.8	55 0.86	1.6609	+0.0033	+0.002	65 30 5.9	17.581	0.124	0.04	76.1	12 61 294 298	65 966
2085	6.8	55 20.94	1.5744	+0.0065	−0.002	66 42 26.6	17.567	0.118	0.04	74.3	14 62 295	66 827
2086	7.3	13 55 40.61	+1.6863	+0.0025	+0.003	+ 64 59 26.8	−17.554	+0.127	+0.04	71.9	15 139	65 967
2087	8.8	55 53.76	1.4762	+0.0106	−0.007	67 54 48.7	17.544	0.112	0.04	73.8	13 60 97 297	68 751
2088	9.4	56 11.53	1.6608	+0.0034	+0.002	65 18 3.1	17.532	0.125	0.04	76.6	12 139 294 297	65 969
2089	9.1	56 19.05	1.6596	+0.0035	+0.002	65 17 56.0	17.526	0.125	0.04	71.0	12 61 62	65 970
2090	9.6	56 26.41	1.6320	+0.0044	+0.001	65 41 44.2	17.521	0.123	0.04	75.9 75.4	5 Beob. [4]	65 971
2091	9.0	13 56 40.62	+1.4880	+0.0101	−0.006	+ 67 38 32.1	−17.511	+0.113	+0.04	71.8	15 138	67 817
2092	8.5	57 3.75	1.5052	+0.0094	−0.005	67 21 34.4	17.495	0.115	0.04	73.0	13 138 212	67 818
2093	8.1	57 8.13	1.5555	+0.0073	−0.003	66 40 34.7	17.491	0.118	0.04	71.6 71.4	14 62 97	66 828
2094	8.8	57 38.99	1.3715	+0.0154	−0.014	68 53 29.5	17.469	0.106	0.05	76.0	60 212 295	69 731
2095	8.9	57 49.23	1.3898	+0.0145	−0.012	68 39 21.6	17.462	0.107	0.05	71.8	15 138	68 753
2096	8.8	13 57 56.22	+1.3304	+0.0174	−0.016	+ 69 18 16.4	−17.457	+0.103	+0.05	73.3	60 212	69 732
2097	6.2	59 5.43	1.3171	+0.0180	−0.017	69 16 50.7	17.407	0.103	0.05	74.6	16 140 295 R3	69 733
2098	9.1	59 15.79	1.4759	+0.0106	−0.007	67 23 30.7	17.400	0.115	0.04	75.0	15 140 294	67 819
2099	8.7	59 24.01	1.6123	+0.0053	0.000	65 29 48.8	17.394	0.125	0.04	71.9	61 97	65 975
2100	8.4	59 33.19	1.4480	+0.0118	−0.008	67 41 52.1	17.387	0.113	0.04	71.9	16 140	67 820

[1] Einfach [2] E.B. −0s.0017 −0".014 [3] E.B. [4] Z. 14 140 294 298 R3

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
2101	9.2	13h 59m 52s.59	+1s.6185	+0s.0051	−0s.000	+ 65° 19′ 31″.6	−17″.373	+0″.125	+0″.04	75.7	97 140 297	65° 976
2102	9.1	14 0 20.35	1.4269	0.0128	0.010	67 50 14.9	17.353	0.112	0.05	74.3	140 212	67 821
2103	8.8	0 50.47	1.5652	0.0071	0.002	65 56 43.2	17.331	0.122	0.04	72.4	15 140 R3	66 829
2104	3.3	1 0.35	1.6295	0.0048	0.000	64 58 25.8	17.323	0.127	0.04		Fund. Cat. [1]	65 978
2105	8.6	1 52.43	1.4800	0.0105	0.006	66 56 13.0	17.285	0.117	0.04	73.4	97 140 218 R3	67 822
2106	8.4	14 2 11.52	+1.4689	+0.0109	−0.007	+ 67 1 53.9	−17.271	+0.116	+0.04	75.0	62 97 297	67 823
2107	9.1	2 19.46	1.5299	0.0085	0.004	66 12 7.3	17.265	0.121	0.04	72.4	15 61 212	66 830
2108	8.7	2 40.47	1.3708	0.0152	0.013	68 9 33.0	17.249	0.109	0.05	72.9	99 141	68 759
2109	8.5	3 57.59	1.5249	0.0087	0.004	66 0 59.2	17.192	0.122	0.04	71.2 71.4	15 61 97	66 832
2110	9.3	4 4.06	1.3551	0.0159	0.013	68 8 20.9	17.187	0.109	0.05	76.6	13 139 295 297	68 762
2111	9.2	14 5 26.44	+1.5423	+0.0081	−0.003	+ 65 32 42.4	−17.125	+0.124	+0.04	72.3	14 61 212	65 980
2112	9.2	5 31.80	1.3085	0.0180	0.016	68 27 32.8	17.121	0.107	0.05	76.6	13 138 295 297	68 766
2113	7.8	6 13.17	1.4898	0.0101	0.006	66 8 55.2	17.089	0.121	0.04	71.4	14 62 97	66 834
2114	6.2	7 38.72	1.1868	0.0239	0.024	69 27 8.1	17.023	0.099	0.05	71.7	13 62 140	69 736
2115	8.0	8 5.91	1.1300	0.0269	0.029	69 56 50.2	17.002	0.095	0.05	71.8	13 138	70 775
2116	7.1	14 9 37.99	+1.4994	+0.0098	−0.005	+ 65 30 25.8	−16.931	+0.124	+0.04	70.9	14 61	65 982
2117	8.2	9 42.06	1.2825	0.0189	0.017	68 10 17.7	16.928	0.108	0.05	71.9	14 62 99 140	68 771
2118	5.2[2]	9 45.01	1.0999	0.0283	0.030	70 1 10.1	16.925	0.093	0.05	74.4	13 99 138 297	70 778
2119	7.7	10 6.42	1.5426	0.0082	0.003	64 49 43.8	16.909	0.128	0.04	71.4 71.6	14 61 99	64 991
2120	8.6	12 36.65	1.4909	0.0101	0.005	65 11 11.0	16.790	0.126	0.04	73.9	13 61 97 297	65 986
2121	7.3	14 12 55.11	+1.4696	+0.0109	−0.006	+ 65 25 58.0	−16.775	+0.125	+0.04	70.9	14 61	65 987
2122	9.2	13 13.87	1.1242	0.0265	0.027	69 20 59.1	16.760	0.097	0.05	71.8	13 138	69 739
2123	7.5	13 32.84	1.2265	0.0213	0.020	68 16 4.2	16.745	0.106	0.05	71.7	15 63 140	68 774
2124	9.4	14 26.16	1.4710	0.0108	0.006	65 11 41.4	16.702	0.126	0.04	73.9	14 61 97 297	65 988
2125	9.0	14 38.35	1.3386	0.0161	0.012	66 51 22.4	16.692	0.115	0.05	71.7	15 62 139	66 841
2126	7.5	14 15 27.46	+1.0979	+0.0275	−0.028	+ 69 19 36.5	−16.652	+0.096	+0.05	71.4	13 63 99	69 741
2127	8.4	15 39.96	1.0437	0.0304	0.032	69 48 33.5	16.642	0.092	0.06	71.9	16 138	69 743
2128	9.1	15 58.80	1.4534	0.0115	0.007	65 12 51.5	16.627	0.126	0.04	71.4 71.2	14 61 97	65 990
2129	7.5	16 7.02	1.4718	0.0108	0.006	64 56 39.5	16.620	0.127	0.04	76.1	15 62 295 297	65 991
2130	7.8	16 53.05	1.2419	0.0202	0.018	67 40 3.5	16.582	0.109	0.05	74.1	16 62 140 295	67 831
2131	9.1	14 17 3.43	+1.4332	+0.0123	−0.008	+ 65 20 1.6	−16.574	+0.125	+0.05	74.2 74.0	5 Beob. [3]	65 992
2132	6.9	17 27.52	1.1706	0.0236	0.022	68 21 16.3	16.554	0.103	0.05	71.4	13 63 99	68 777
2133	8.4	17 37.38	1.2515	0.0198	0.017	67 27 58.5	16.546	0.110	0.05	71.8	15 138	67 832
2134	8.9	17 39.80	1.2618	0.0193	0.016	67 20 41.8	16.544	0.111	0.05	72.0	16 97 139	67 833
2135	6.7	18 16.99	1.3736	0.0145	0.010	65 56 3.5	16.513	0.121	0.05	74.6	62 99 140 295	66 842
2136	9.0	14 18 22.54	+1.0920	+0.0274	−0.027	+ 69 1 36.6	−16.509	+0.097	+0.05	74.4	16 97 138 297	69 746
2137	7.3	18 42.50	1.1537	0.0242	0.023	68 22 21.8	16.492	0.103	0.05	71.4	13 63 99	68 781
2138	9.4	18 54.22	1.4445	0.0118	0.007	64 55 32.2	16.482	0.127	0.05	74.1 74.2	14 61 139 295	65 993
2139	7.8	19 43.25	1.2587	0.0193	0.016	67 6 55.2	16.441	0.112	0.05	71.4	13 62 97	67 835
2140	7	19 45.56	1.4417	0.0119	0.007	64 50 42.0	16.440	0.127	0.05	70.9	15 61	64 997
2141	7.4	14 20 44.55	+1.3963	+0.0136	−0.009	+ 65 18 48.0	−16.390	+0.124	+0.05	71.4	14 16 61 140	65 994
2142	9.2	20 52.60	1.3437	0.0156	0.011	65 57 37.1	16.383	0.120	0 05	71.7	15 62 138	66 844
2143	8.8	22 4.12	1.3505	0.0153	0.011	65 43 9.7	16.323	0.121	0.05	71.4	13 61 97	65 995
2144	9.0	22 44.16	1.2835	0.0180	0.014	66 26 36.8	16.289	0.116	0.05	71.7	14 61 140	66 846
2145	6.6	22 53.33	1.2727	0.0184	0.015	66 33 1.4	16.281	0.115	0.05	70.9	15 62	66 847
2146	9.2	14 23 19.56	+1.2818	+0.0180	−0.014	+ 66 23 16.3	−16.259	+0.116	+0.05	71.7	14 61 139	66 848
2147	8.2	23 28.59	1.2328	0.0201	0.017	66 55 54.7	16.251	0.112	0.05	76.6	13 139 295 298	67 838
2148	9.1	24 11.30	1.0583	0.0282	0.027	68 39 45.0	16.215	0.098	0.05	75.0	14 138 297	68 783
2149	9.0	25 18.40	0.8897	0.0370	0.039	70 3 18.4	16.157	0.084	0.06	72.8	97 138	70 789
2150	8.1	25 28.30	1.2138	0.0207	0.018	66 53 53.7	16.148	0.112	0.05	70.9	13 62	66 849

[1] E.B. −0s.0092 +0s.016 [2] Rothgelb [3] Z. 14 61 99 218 297

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
2151	9.3	$14^h 25^m 41^s.93$	+0.9810	+0.0319	−0.032	+ 69° 12′ 47″.8	−16.136	+0.092	+0.06	72.9	99 140	69° 748
2152	7.1	26 1.71	0.9092	0.0357	0.037	69 48 39.0	16.119	0.086	0.06	75.7	99 140 295	69 749
2153	9.0	26 17.84	1.1255	0.0246	0.022	67 44 42.8	16.105	0.105	0.05	71.9	16 139	67 839
2154	8.9	26 34.97	1.1058	0.0255	0.023	67 54 46.6	16.090	0.103	0.05	77.8	140 212 295 297	68 785
2155	8.9	26 46.25	1.1102	0.0253	0.023	67 50 45.4	16.080	0.104	0.05	76.6	139 212 295	67 840
2156	8.4[1]	14 27 3.02	+0.9203	+0.0349	−0.036	+ 69 36 11.4	−16.066	+0.087	+0.06	75.7	99 140 298	69 750
2157	8.3	27 10.67	0.8918	0.0364	0.038	69 50 3.3	16.059	0.085	0.06	72.9	99 140	69 751
2158	9.1	27 43.90	1.2337	0.0197	0.016	66 23 50.2	16.030	0.115	0.05	71.9	16 139	66 852
2159	7.0	28 46.52	1.0063	0.0300	0.029	68 38 2.9	15.975	0.096	0.06	74.3	141 212	68 787
2160	8.3	29 21.70	1.2980	0.0170	0.012	65 26 12.1	15.944	0.122	0.05	74.3	139 213	65 999
2161	9.0	14 29 24.17	+1.2796	+0.0177	−0.013	+ 65 39 18.0	−15.942	+0.120	+0.05	71.9	16 139	65 998
2162	8.8[2]	29 26.95	0.9273	0.0340	0.034	69 16 50.6	15.939	0.089	0.06	76.2 75.7	99 140 295	69 754
2163	8.7	29 39.08	1.1592	0.0227	0.019	66 59 38.6	15.929	0.110	0.05	77.2	5 Beob. [3]	67 841
2164	9.1	29 41.33	1.0015	0.0301	0.028	68 34 39.0	15.927	0.095	0.06	76.7	141 212 298	68 788
2165	9.2	29 45.83	0.9193	0.0343	0.035	69 19 1.9	15.923	0.088	0.06	74.3	140 212	69 755
2166	9.1	14 29 47.65	+1.1563	+0.0228	−0.019	+ 67 0 30.0	−15.921	+0.109	+0.05	79.8 80.5	213 218 295 310	67 842
2167	8.5	29 47.70	0.9211	0.0342	0.035	69 17 53.7	15.921	0.088	0.06	75.6	99 140 215 298	69 756
2168	8.6	30 14.28	1.2269	0.0198	0.016	66 10 16.2	15.897	0.116	0.05	75.0	16 139 298	66 853
2169	6.6	30 58.02	1.2392	0.0192	0.015	65 56 30.6	15.858	0.117	0.05	74.0	61 213 214	66 855
2170	8.5	31 52.69	1.2663	0.0181	0.014	65 30 44.1	15.809	0.120	0.05	75.6	61 185 214 295	65 1000
2171	7.0	14 32 11.54	+1.0985	+0.0251	−0.022	+ 67 20 26.4	−15.793	+0.106	+0.05	76.0	62 212 295	67 843
2172	7.5	32 16.02	1.1749	0.0217	0.018	66 30 58.5[4]	15.789	0.112	0.05	73.9 74.4	16 62 99α 298	66 856
2173	8.8	32 29.92	0.8936	0.0351	0.035	69 15 1.2	15.776	0.087	0.06	73.1	99 140 141	69 757
2174	8.7	33 34.03	0.8412	0.0376	0.039	69 35 13.5	15.718	0.083	0.07	75.1	16 139 214 298	69 758
2175	7.9	35 39.18	0.8857	0.0348	0.034	68 59 20.7	15.604	0.088	0.06	71.4	16 63 99	69 761
2176	8.8	14 36 13.27	+1.2168	+0.0197	−0.015	+ 65 34 56.8	−15.573	+0.119	+0.05	73.7	61 185 213	65 1004
2177	7.8	36 18.76	1.1427	0.0227	0.019	66 24 17.6	15.568	0.112	0.05	73.8	62 140 212 214	66 861
2178	7.1	36 21.77	1.2783	0.0173	0.012	64 49 48.2	15.565	0.124	0.05	78.8	61 213 295 310	64 1017
2179	8.8[5]	36 37.55	0.9224	0.0327	0.031	68 33 38.6	15.551	0.092	0.06	71.7	16 63 141	68 795
2180	8.9	37 4.73	0.9014	0.0337	0.033	68 42 9.7	15.525	0.090	0.06	72.2 72.4	16 63 99 185	68 796
2181	7.4	14 37 22.55	+1.0867	+0.0249	−0.021	+ 66 53 1.4	−15.509	+0.107	+0.05	73.8	61 140 212 214	66 863
2182	8.9	37 29.50	1.0011	0.0288	0.026	67 43 53.1	15.503	0.099	0.06	73.4	62 213	67 847
2183	9.3	37 55.71	1.0791	0.0252	0.022	66 54 7.4	15.478	0.107	0.05	73.4	61 140 212	66 864
2184	8.5	39 29.51	0.7446	0.0414	0.042	69 47 6.5	15.391	0.076	0.07	72.4	63 99 139	69 764
2185	9.1	39 46.75	1.1231	0.0231	0.019	66 13 52.0	15.375	0.112	0.05	73.4	62 141 212	66 865
2186	9.5	14 39 51.54	+1.0813	+0.0249	−0.021	+ 66 40 6.3	−15.370	+0.108	+0.05	74.6 74.9	139 212 214	66 866
2187	9.0	40 30.61	0.7498	0.0408	0.041	69 38 41.8	15.334	0.077	0.07	75.7	99 140 298	69 765
2188	8.4	40 47.11	1.0954	0.0242	0.020	66 25 10.2	15.318	0.110	0.05	73.4	61 141 213	66 867
2189	8.7	41 48.11	0.7316	0.0414	0.042	69 39 59.2	15.261	0.076	0.07	74.4	16 99 140 298	69 767
2190	8.5	42 28.53	1.1620	0.0213	0.016	65 30 13.1	15.222	0.117	0.05	73.3	61 213	65 1009
2191	8.8	14 42 42.13	+0.6768	+0.0442	−0.046	+ 70 0 37.1	−15.209	+0.071	+0.07	71.4	16 63 99	70 804
2192	6.6	42 56.47	1.1261	0.0226	0.018	65 51 12.6	15.196	0.114	0.05	73.3	62 213	65 1011
2193	7.4	43 32.09	1.1827	0.0204	0.015	65 9 2.5	15.162	0.119	0.05	73.3	61 213	65 1012
2194	8.8	44 12.09	0.6627	0.0445	0.046	69 58 44.7	15.124	0.070	0.07	71.4	16 63 99	70 807
2195	8.9	44 29.07	1.1645	0.0210	0.016	65 15 22.6	15.107	0.118	0.05	73.3	62 213	65 1013
2196	9.3	14 44 47.31	+1.0694	+0.0247	−0.020	+ 66 16 1.0	−15.090	+0.109	+0.05	76.6 76.9	139 214 295	66 869
2197	9.2	45 1.88	0.8888	0.0327	0.030	68 0 41.8	15.076	0.092	0.06	74.3	140 212	68 799
2198	8.2	45 3.39	1.1752	0.0205	0.015	65 4 16.0	15.074	0.119	0.05	73.4	61 214	65 1014
2199	8.2	45 19.24	1.0886	0.0239	0.019	66 0 21.5	15.059	0.111	0.05	74.3	139 215	66 870
2200	8.0	45 20.50	1.1101	0.0230	0.018	65 46 17.0	15.058	0.113	0.05	74.3	139 214	65 1015

[1] Neblig? [2] Var.? [3] Z. 141 185 213 215 310 [4] δ Z. 99 ausgeschlossen [5] Dupl.?

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2201	9.1	14h 45m 39.03	+0.7980	+0.0370	−0.035	+ 68° 45′ 2.9	−15.040	+0.083	+0.07	76.7	140 212 298	68° 800
2202	8.3	45 44.68	1.0958	0.0235	0.019	65 53 2.4	15.035	0.112	0.05	73.4	62 213	65 1016
2203	9.0	45 51.41	0.8271	0.0355	0.033	68 28 51.4	15.028	0.086	0.07	74.3	141 212	68 801
2204	9.1	45 55.73	0.6619	0.0441	0.044	69 49 35.9	15.024	0.070	0.08	72.1	16 99 140	69 769
2205	8.0	46 5.19	0.9721	0.0287	0.025	67 7 12.7	15.015	0.100	0.06	74.4	141 215	67 852
2206	8.8	14 46 10.69	+1.0063	+0.0272	−0.023	+ 66 46 16.7	−15.009	+0.104	+0.06	76.6	139 215 295	66 871
2207	9.1	46 16.20	0.8844	0.0327	0.030	67 55 47.3	15.004	0.092	0.06	74.3	141 212	68 802
2208	7.9	46 24.63	1.1110	0.0228	0.018	65 38 50.9	14.996	0.114	0.05	76.0	61 214 298	65 1017
2209	9.0	46 31.74	0.7154	0.0410	0.040	69 21 1.8	14.989	0.076	0.07	72.9	99 140	69 771
2210	8.5	46 47.22	1.1558	0.0211	0.016	65 6 22.9	14.974	0.119	0.05	73.4	62 213	65 1018
2211	8.1	14 47 26.32	+1.1505	+0.0212	−0.016	+ 65 5 50.7	−14.936	+0.118	+0.05	73.3	61 213	65 1019
2212	9.2	47 33.74	0.8554	0.0338	0.031	68 3 58.7	14.929	0.090	0.06	74.8	185 212	68 803
2213	8.0	47 40.38	1.0607	0.0247	0.020	66 3 26.7	14.922	0.110	0.05	74.3	139 214	66 872
2214	9.2	47 47.96	0.8078	0.0360	0.034	68 27 41.9	14.915	0.085	0.07	75.3	212 218	68 804
2215	6.0	48 9.83	1.0461	0.0253	0.020	66 9 37.0	14.894	0.109	0.05	74.9	185 214	66 873
2216	9.4	14 48 24.04	+0.9522	+0.0292	−0.025	+ 67 4 55.5	−14.880	+0.099	+0.06	77.0 77.5	185 215 295	67 854
2217	8.3	49 3.18	0.6338	0.0446	0.044	69 45 32.5	14.841	0.069	0.08	75.0	63 99 298	69 772
2218	9.0	49 39.96	0.9610	0.0286	0.024	66 52 15.9	14.805	0.101	0.06	77.0	185 213 295	66 874
2219	9.1	49 43.67	0.9501	0.0291	0.025	66 58 17.4	14.802	0.100	0.06	75.3	214 215 218	67 855
2220	8.6	49 47.23	0.6254	0.0449	0.045	69 45 27.9	14.798	0.068	0.08	75.1	63 99 298	69 773
2221	8.7	14 50 58.39	+1.0268	+0.0257	−0.021	+ 66 4 34.7	−14.728	+0.108	+0.05	77.0	186 213 295	66 876
2222	8.6	52 4.70	0.5691	0.0472	0.047	69 58 42.5	14.662	0.063	0.08	71.9	63 99	70 812
2223	7.1	52 5.69	1.1022	0.0225	0.017	65 9 13.3	14.661	0.116	0.05	74.8	185 213	65 1024
2224	7.7	52 46.47	0.6531	0.0425	0.041	69 16 46.9	14.620	0.071	0.07	76.7	141 212 295	69 775
2225	7.7	53 4.02	0.7498	0.0376	0.035	68 28 5.4	14.603	0.081	0.07	74.7 74.6	141 213 218	68 809
2226	9.4	14 53 48.62	+0.8723	+0.0318	−0.027	+ 67 19 1.1	−14.558	+0.094	+0.06	75.3	215 218	67 857
2227	9.0	53 51.92	0.7082	0.0394	0.035	68 44 28.9	14.555	0.077	0.07	74.7 74.6	141 215 218	68 810
2228	8.3	54 0.18	0.5801	0.0460	0.045	69 43 55.0	14.547	0.064	0.08	73.3	63 212	69 776
2229	8.5	54 12.09	0.8893	0.0309	0.026	67 7 15.8	14.535	0.096	0.06	74.8	185 213	67 858
2230	9.1	55 1.36	0.7620	0.0366	0.033	68 11 15.6	14.485	0.083	0.07	77.0	186 213 295	68 811
2231	5.0	14 55 36.13	+0.9471	+0.0282	−0.023	+ 66 25 51.0	−14.450	+0.102	+0.06		Fund. Cat. [1]	66 878
2232	9.3	56 44.45	0.6914	0.0395	0.036	68 37 32.6	14.381	0.076	0.07	77.3 77.7	215 218 295	68 812
2233	8.8	57 11.77	0.7996	0.0343	0.030	67 39 50.1	14.353	0.088	0.06	74.9	186 215	67 859
2234	8.5	57 43.12	1.0277	0.0247	0.019	65 24 12.6	14.321	0.111	0.05	77.0	185 215 298	65 1029
2235	6.7	57 59.43	0.9705	0.0269	0.021	65 58 15.4	14.304	0.105	0.06	74.8	185 213	66 882
2236	9.0	14 58 6.83	+0.6140	+0.0430	−0.040	+ 69 7 25.8	−14.297	+0.069	+0.08	76.0	63 211 298	69 777
2237	9.5	58 17.78	0.5071	0.0485	0.047	69 54 27.8	14.286	0.058	0.08	77.6 78.8	99 218 295 299	69 778
2238	7.7	58 26.49	0.7960	0.0342	0.030	67 35 3.1	14.277	0.088	0.06	74.8	186 212	67 862
2239	9.2	59 9.09	0.5656	0.0451	0.043	69 24 22.5	14.233	0.064	0.08	75.3	63 141 211 295	69 779
2240	9.0	59 21.63	1.0032	0.0254	0.020	65 30 14.2	14.220	0.109	0.05	76.0	98 185 298	65 1031
2241	8.9	14 59 31.30	+1.0465	+0.0238	−0.018	+ 65 1 44.3	−14.210	+0.114	+0.05	74.9	185 213α 215	65 1032
2242	9.2	59 48.66	0.9338	0.0281	0.022	66 10 5.6	14.192	0.102	0.05	74.8	186 212	66 884
2243	7.7	15 0 25.82	0.8987	0.0294	0.024	66 27 15.2	14.154	0.099	0.05	73.4	98 187	66 885
2244	8.1	0 59.17	0.6753	0.0392	0.035	68 23 30.1	14.119	0.076	0.07	74.8	187 211	68 817
2245	6.8	1 1.21	0.9121	0.0288	0.023	66 16 13.7	14.117	0.101	0.05	77.0	186 213 298	66 886
2246	8.9	15 1 1.87	+0.7571	+0.0354	−0.031	+ 67 41 53.6	−14.117	+0.084	+0.07	74.3	141 212	67 864
2247	8.9	1 16.71	0.5921	0.0431	0.040	69 1 42.0	14.101	0.067	0.08	75.1	63 99 218 295	69 780
2248	6.0	2 4.07	0.8884	0.0295	0.024	66 24 20.2	14.052	0.099	0.06	75.9	98 186 215 298	66 887
2249	9.1	2 46.11	0.9925	0.0253	0.019	65 17 48.2	14.008	0.110	0.05	76.6 76.7	185 211 218 295	65 1033
2250	8.4	3 8.93	1.0263	0.0240	0.018	64 54 11.6	13.984	0.113	0.05	75.9	98 185 213 298	64 1043

[1] E.B. −0.0074 +0.059

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2251	9.4	15h 3m58s.82	+1s.0106	+0s.0245	−0s.018	+ 64°59′37″.4	−13″.932	+0″.112	+0″.05	75.0	185 212 218	65° 1034
2252	9.3	3 59.92	0.9205	0.0279	0.022	65 55 5.6	13.931	0.103	0.06	76.0	98 186 295	65 1035
2253	8.9	4 3.52	0.4617	0.0489	0.046	69 46 17.2	13.927	0.054	0.09	73.0	63 99 215	69 783
2254	8.1	4 38.79	0.8839	0.0293	0.023	66 13 5.2	13.890	0.099	0.06	74.4	141 187 211	66 889
2255	7.2	5 28.00	0.9784	0.0255	0.019	65 11 47.5	13.838	0.109	0.05	74.0	98 186 213	65 1036
2256	9.0	15 5 52.41	+0.7314	+0.0354	−0.030	+ 67 30 24.8	−13.812	+0.083	+0.07	73.0	63 99 215	67 868
2257	6.6	6 29.80	0.8622	0.0298	0.023	66 15 51.1	13.773	0.097	0.06	74.7	186 187 211	66 890
2258	7.1	6 38.80	0.9850	0.0251	0.018	65 1 15.3	13.763	0.110	0.05	75.9	98 185 213 298	65 1039
2259	9.3	7 9.33	0.8341	0.0308	0.024	66 28 24.6	13.731	0.095	0.06	77.0	186 212 295	66 892
2260	9.2	7 42.98	0.7561	0.0339	0.028	67 8 9.7	13.695	0.086	0.07	76.7	141 211 298	67 869
2261	8.7	15 7 57.49	+0.5537	+0.0430	−0.038	+ 68 47 6.6	−13.680	+0.065	+0.08	73.0 72.6	63 99 218	68 820
2262	9.4	8 15.46	0.7413	0.0345	0.028	67 13 18.4	13.660	0.085	0.07	76.7	141 212 298	67 870
2263	8.9	8 30.88	0.7443	0.0343	0.028	67 10 27.0	13.644	0.085	0.07	76.6	141 211 295	67 871
2264	8.4	8 42.35	0.5341	0.0438	0.039	68 52 35.8	13.632	0.063	0.08	73.4	99 187	68 822
2265	6.4	9 25.17	0.6071	0.0401	0.034	68 15 4.8	13.586	0.071	0.07	73.0	63 99 215	68 823
2266	9.5	15 9 25.18	+0.8675	+0.0291	−0.022	+ 65 57 39.3	−13.586	+0.099	+0.06	75.6 76.0	98 185α 186 295	66 893
2267	7.6	9 37.96	0.8503	0.0297	0.023	66 6 28.1	13.572	0.097	0.06	74.8	187 212	66 894
2268	8.7	9 49.75	0.6230	0.0393	0.033	68 5 27.3	13.559	0.073	0.07	76.4 76.6	100 218 298	68 824
2269	9.1	10 19.93	0.8791	0.0285	0.022	65 46 11.3	13.527	0.101	0.06	77.4	98 185 295 298	65 1041
2270	8.9	10 29.67	0.7813	0.0323	0.026	66 40 42.2	13.517	0.090	0.06	77.0	187 213 299	66 895
2271	9.0	15 10 38.06	+0.7831	+0.0322	−0.026	+ 66 39 1.0	−13.507	+0.090	+0.06	77.0	186 213 299	66 896
2272	8.4	10 58.14	0.6903	0.0360	0.030	67 26 25.8	13.486	0.080	0.07	76.1	99 188 299	67 873
2273	8.9	11 23.53	0.8203	0.0306	0.024	66 14 39.2	13.458	0.095	0.06	74.9	187 213	66 897
2274	8.5	11 47.60	0.3381	0.0525	0.048	70 2 41.3	13.432	0.042	0.10	72.9	100 141	70 831
2275	8.7	12 3.78	0.3713	0.0507	0.046	69 47 56.1	13.415	0.046	0.09	74.8	188 211	69 786
2276	8.7	15 12 6.74	+0.7236	+0.0343	−0.028	+ 67 3 40.8	−13.412	+0.084	+0.07	77.4 77.8	215 218 299	67 874
2277	7.6	12 19.40	0.6914	0.0356	0.029	67 19 21.3	13.398	0.081	0.07	74.9	187 213	67 875
2278	8.7	12 36.81	0.9006	0.0273	0.020	65 21 46.9	13.379	0.104	0.06	76.1	98 185 299	65 1043
2279	9.1	12 39.16	0.9016	0.0272	0.020	65 20 58.4	13.376	0.104	0.06	76.1	98 185 299	65 1044
2280	9.0	13 3.46	0.4377	0.0470	0.041	69 15 32.1	13.350	0.053	0.09	75.3	211 218	69 787
2281	5.3	15 13 12.62	+0.6234	+0.0384	−0.032	+ 67 49 18.1	−13.340	+0.074	+0.07		Fund. Cat. [1]	67 876
2282	8.6	13 18.35	0.7830	0.0317	0.025	66 25 55.6	13.334	0.091	0.06	74.9	187 213	66 898
2283	8.7	13 21.46	0.3531	0.0512	0.046	69 49 48.1	13.330	0.044	0.10	77.0	188 211 299	69 788
2284	6.2	13 56.58	0.4080	0.0482	0.043	69 24 22.4	13.292	0.050	0.09	74.8	188 211	69 789
2285	9.0	14 43.07	0.6830	0.0354	0.028	67 12 17.8	13.241	0.081	0.07	76.1 76.4	98 185 299	67 880
2286	8.3	15 15 41.35	+0.4098	+0.0475	−0.041	+ 69 16 0.3	−13.177	+0.051	+0.09	74.3	141 211	69 792
2287	9.0	15 47.94	0.6023	0.0386	0.031	67 47 39.7	13.170	0.072	0.07	75.3	213 218 219	67 881
2288	8.9	16 15.54	0.8658	0.0279	0.021	65 24 14.9	13.140	0.101	0.06	73.4	98 185	65 1045
2289	7.0	16 49.22	0.8124	0.0298	0.023	65 52 25.4	13.103	0.095	0.06	74.8	185 213	65 1048
2290	7.5	16 51.55	0.3492	0.0500	0.044	69 36 26.0	13.100	0.044	0.09	74.0	63 211 219	69 793
2291	8.0	15 17 7.77	+0.7381	+0.0326	−0.025	+ 66 31 59.4	−13.082	+0.087	+0.07	76.1	98 186 299	66 900
2292	8.7	17 22.44	0.7138	0.0336	0.026	66 43 47.6	13.066	0.085	0.07	77.0	187 212 299	66 901
2293	9.2	17 33.17	0.7800	0.0309	0.024	66 7 2.3	13.054	0.092	0.06	74.9	186 215	66 902
2294	8.3	17 36.90	0.7440	0.0323	0.025	66 26 31.3	13.050	0.088	0.07	74.8	186α 187 213	66 904
2295	8.9	18 0.52	0.7119	0.0335	0.026	66 41 50.6	13.024	0.085	0.07	76.1	98 187 299	66 906
2296	9.4	15 18 17.75	+0.5830	+0.0388	−0.031	+ 67 45 43.7	−13.005	+0.070	+0.08	77.4 77.8	215 218 299	67 882
2297	8.2	18 32.86	0.6171	0.0373	0.030	67 27 54.5	12.988	0.074	0.07	74.9	188 214	67 883
2298	9.1	18 38.97	0.4830	0.0431	0.036	68 30 58.7	12.981	0.059	0.08	75.3	211 218	68 827
2299	8.1	18 39.64	0.5155	0.0416	0.034	68 16 4.3	12.980	0.063	0.08	75.0	188 214 215	68 828
2300	8.8	19 31.88	0.5895	0.0382	0.031	67 37 5.1	12.922	0.071	0.07	75.3	215 218	67 885

[1] E.B. +0s.0364 −0″.392

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2301	8.8	15h 20m 14.s02	+0.s7148	+0.s0329	−0.s025	+ 66° 30′ 1.″5	−12.″875	+0.″085	+0.″07	76.0	98 186 298	66° 908
2302	9.3	20 15.53	0.5569	0.0394	0.027	67 49 35.5	12.873	0.068	0.08	75.3	211 218	67 886
2303	8.6	20 57.16	0.8205	0.0288	0.021	65 28 3.7	12.827	0.098	0.06	76.0	98 186 298	65 1052
2304	9.0	21 26.52	0.3637	0.0477	0.040	69 11 16.3	12.794	0.046	0.09	77.3	211 219 298	69 795
2305	9.3	22 38.80	0.3132	0.0497	0.042	69 27 19.8	12.712	0.041	0.09	76.6 77.7	100α 211 218 298	69 796
2306	8.5	15 22 48.31	+0.6356	+0.0354	−0.027	+ 66 59 38.9	−12.702	+0.077	+0.07	78.9[1]	98 186 298 310	67 887
2307	9.2	23 27.92	0.5553	0.0386	0.030	67 36 24.9	12.657	0.068	0.07	77.0	186 215 298	67 888
2308	8.9	23 48.17	0.2487	0.0524	0.044	69 48 37.6	12.634	0.034	0.10	73.4	100 188	69 797
2309	9.3	24 4.12	0.4313	0.0437	0.035	68 31 10.5	12.616	0.054	0.08	77.0	186 211 295	68 830
2310	9.2	24 16.35	0.5629	0.0380	0.030	67 29 19.1	12.602	0.069	0.07	73.4	98 185	67 890
2311	7.9	15 24 43.04	+0.4058	+0.0447	−0.036	+ 68 39 43.9	−12.572	+0.052	+0.08	74.7 74.5	141 211 218	68 831
2312	9.1	24 47.50	0.5647	0.0378	0.029	67 26 13.2	12.567	0.070	0.07	77.0	185 213 298	67 891
2313	9.0	25 27.86	0.8014	0.0286	0.020	65 18 8.6	12.521	0.097	0.06	73.4	98 184	65 1054
2314	8.9	25 56.69	0.5993	0.0361	0.027	67 4 13.3	12.488	0.074	0.07	75.7	100 141 295	67 894
2315	8.8	26 14.93	0.5952	0.0362	0.027	67 4 59.7	12.467	0.073	0.07	75.6	100 141 218 295	67 895
2316	8.5	15 28 3.63	+0.5796	+0.0364	−0.027	+ 67 5 4.8	−12.343	+0.072	+0.07	74.0 73.8	100 184 218	67 897
2317	8.9	28 11.74	0.7456	0.0301	0.022	65 37 25.1	12.333	0.091	0.06	73.4	98 184	65 1057
2318	9.4	28 16.08	0.5090	0.0391	0.030	67 38 18.4	12.328	0.064	0.08	74.8	185 186 211 213	67 899
2319	9.0	28 17.98	0.5097	0.0391	0.030	67 37 49.6	12.326	0.064	0.08	74.6	141 186 211 213	67 900
2320	8.0	29 48.57	0.5637	0.0365	0.027	67 5 36.6	12.221	0.070	0.07	73.4	98 184	67 901
2321	8.5	15 30 3.20	+0.2235	+0.0511	−0.041	+ 69 34 29.7	−12.205	+0.031	+0.10	75.9	100 186 218 295	69 799
2322	8.9	30 19.58	0.5079	0.0386	0.029	67 30 23.8	12.186	0.064	0.08	79.6 80.4	185 213 298 310	67 902
2323	7.9	31 9.59	0.2125	0.0512	0.041	69 34 41.8	12.128	0.030	0.10	73.7 73.4	100 141 218	69 801
2324	8.7	31 44.43	0.5013	0.0385	0.029	67 27 49.8	12.087	0.064	0.08	77.8 78.4	185 186 211 310	67 903
2325	8.1	32 1.73	0.7157	0.0303	0.021	65 37 23.2	12.067	0.089	0.06	73.4	98 184	65 1061
2326	9.5	15 32 58.20	+0.3582	+0.0440	−0.034	+ 68 27 45.4	−12.001	+0.047	+0.09	72.9	100 141	68 841
2327	8.5	33 39.67	0.5359	0.0366	0.027	67 3 33.4	11.953	0.068	0.07	77.0	185 213 295	67 904
2328	6.6	33 44.43	0.3843	0.0427	0.032	68 13 26.2	11.947	0.050	0.08	78.1[2]	186 211 295 298	68 842
2329	7.0	33 44.90	0.6952	0.0307	0.022	65 41 19.6	11.946	0.087	0.06	76.0	98 184 298	65 1062
2330	9.1	33 50.69	0.3588	0.0437	0.033	68 24 9.7	11.940	0.047	0.09	74.4	141 215	68 843
2331	9.1	15 34 29.31	+0.7292	+0.0294	−0.020	+ 65 19 32.2	−11.894	+0.091	+0.06	74.8	185 213	65 1064
2332	8.9	35 3.15	0.5333	0.0363	0.026	66 59 15.5	11.855	0.068	0.07	74.8	186 211	67 905
2333	8.7	35 21.30	0.7735	0.0277	0.019	64 50 48.6	11.833	0.096	0.06	73.4	98 184	64 1081
2334	9.1	36 33.78	0.2443	0.0477	0.036	69 2 8.0	11.748	0.034	0.09	79.6	187 215 298 310	69 804
2335	9.4	36 35.49	0.2538	0.0473	0.036	68 58 10.1	11.746	0.035	0.09	72.9	100 141	69 803
2336	8.9	15 36 45.08	+0.5841	+0.0340	−0.025	+ 66 27 19.6	−11.734	+0.074	+0.07	74.8	185 213	66 914
2337	9.0	36 55.17	0.2988	0.0452	0.034	68 38 17.1	11.722	0.040	0.09	77.0	186 215 295	68 844
2338	9.1	37 0.10	0.1374	0.0523	0.041	69 42 37.5	11.717	0.021	0.10	74.1 73.8	100 188 218	69 805
2339	9.1	37 1.69	0.7392	0.0285	0.020	65 3 22.2	11.715	0.093	0.06	77.4	98 184 295 299	65 1067
2340	7.1	37 13.84	0.6106	0.0329	0.023	66 11 51.8	11.700	0.077	0.07	74.8	185 213	66 915
2341	5.5	15 37 19.16	+0.1381	+0.0521	−0.040	+ 69 41 12.1	−11.694	+0.021	+0.10	73.7 73.4	100 141 218	69 806
2342	9.3	37 41.20	0.1971	0.0493	0.038	69 17 0.5	11.668	0.028	0.10	74.8	188 211	69 807
2343	9.1	37 43.18	0.4335	0.0394	0.029	67 36 8.8	11.665	0.056	0.08	74.9	186 215	67 909
2344	9.3	38 11.80	0.2677	0.0461	0.035	68 46 38.1	11.632	0.037	0.09	77.0	187 215 295	68 845
2345	7.6	38 13.88	0.2016	0.0489	0.037	69 13 18.2	11.629	0.029	0.10	73.4	100 188	69 808
2346	9.0	15 38 15.70	+0.2971	+0.0448	−0.033	+ 68 34 6.6	−11.627	+0.040	+0.09	77.3 77.7	216 218 298	68 846
2347	7.6	38 16.96	0.7293	0.0286	0.019	65 3 45.9	11.625	0.092	0.06	76.0	98 184 299	65 1069
2348	9.0	39 23.20	0.5883	0.0332	0.023	66 14 50.3	11.547	0.075	0.07	73.4	98 186	66 916
2349	8.7	39 26.90	0.4364	0.0388	0.028	67 28 18.6	11.542	0.057	0.08	74.9	187 213	67 911
2350	8.5	39 59.53	0.3977	0.0402	0.029	67 43 57.8	11.503	0.052	0.08	74.9	187 215	67 912

[1] E.B. [2] E.B.

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2351	8.7	$15^h 40^m 7^s.37$	+0s.5182	+0s.0355	−0s.025	+ 66°46′56″.5	−11″.494	+0″.067	+0″.07	77.0	186 216 298	66° 917
2352	8.6	40 8.78	+0.2429	0.0464	0.034	68 49 53.2	11.492	+0.034	0.09	78.1	100 188 310	68 848
2353	8.8	40 15.96	+0.6360	0.0313	0.021	65 46 37.6	11.484	+0.081	0.07	74.8	185 213	65 1072
2354	9.0	40 34.51	+0.6241	0.0317	0.022	65 51 40.3	11.461	+0.080	0.07	77.4	98 185 295 299	65 1074
2355	9.0	40 54.18	+0.4634	0.0374	0.026	67 10 18.0	11.438	+0.060	0.08	77.0	186 211 298	67 913
2356	7.7	15 41 46.41	+0.4192	+0.0388	−0.027	+ 67 27 37.4	−11.375	+0.055	+0.08	76.1	98 185 301	67 914
2357	9.4	41 59.28	+0.6117	0.0318	0.022	65 52 41.8	11.360	+0.078	0.07	79.0	184 295 299	[65 1075]
2358	8.6	42 55.27	+0.3525	0.0410	0.029	67 53 29.7	11.292	+0.047	0.08	74.9	187 215	67 915
2359	8.7	42 56.05	+0.7169	0.0281	0.018	64 52 5.7	11.291	+0.091	0.06	73.4	98 184	64 1086
2360	7.8	43 14.25	+0.2300	0.0458	0.033	68 44 22.0	11.269	+0.033	0.09	74.8	188 211	68 849
2361	8.7	15 43 18.25	+0.7060	+0.0284	−0.019	+ 64 56 45.8	−11.265	+0.090	+0.06	77.0	184 213 299	65 1076
2362	9.3	43 19.78	+0.6858	0.0290	0.019	65 7 50.6	11.263	+0.088	0.06	77.0 77.6	186 216 298	65 1077
2363	8.3	43 38.69	+0.3736	0.0400	0.028	67 41 32.9	11.240	+0.050	0.08	77.4 77.8	215 218 301	67 916
2364	8.4	43 53.86	+0.1380	0.0495	0.036	69 18 43.5	11.222	+0.022	0.10	73.4	100 188	69 811
2365	8.4	44 3.81	+0.4396	0.0374	0.026	67 9 53.0	11.210	+0.058	0.08	77.0	187 215 301	67 917
2366	7.4	15 44 21.54	+0.1720	+0.0478	−0.035	+ 69 3 53.3	−11.188	+0.026	+0.10	73.4	100 188	69 812
2367	9.2	44 26.27	+0.4262	0.0377	0.026	67 14 44.1	11.182	+0.056	0.08	78.1	187 215 299 301	67 918
2368	8.8	44 44.29	+0.2453	0.0447	0.032	68 32 56.5	11.161	+0.035	0.09	74.8	188 211	68 850
2369	8.0	44 47.44	+0.5813	0.0321	0.021	65 57 48.2	11.157	+0.075	0.07	74.9	186 216	66 918
2370	8.7	44 56.91	+0.5466	0.0333	0.022	66 14 47.8	11.145	+0.071	0.07	73.4	98 184	66 919
2371	8.0	15 45 25.32	+0.5429	+0.0333	−0.022	+ 66 14 55.1	−11.111	+0.071	+0.07	73.4	98 184	66 920
2372	9.4	45 57.92	+0.2370	0.0446	0.031	68 32 11.3	11.071	+0.034	0.09	73.4	100 186	68 851
2373	8.8	46 13.22	+0.1838	0.0466	0.033	68 52 55.7	11.053	+0.027	0.09	74.8	187 211	68 852
2374	9.2	46 45.24	+0.2153	0.0452	0.032	68 38 25.9	11.014	+0.031	0.09	74.9	185 216	68 853
2375	7.5	46 52.51	+0.0249	0.0531	0.038	69 51 31.6	11.005	+0.008	0.11	75.6	100 141 217 299	69 813
2376	6.9	15 48 45.55	+0.6433	+0.0292	−0.019	+ 65 10 26.5	−10.867	+0.084	+0.06	73.4	98 184	65 1081
2377	8.3	49 0.61	+0.0850	0.0496	0.035	69 22 20.5	10.848	+0.015	0.10	75.0	187 211 217	69 816
2378	9.0	49 4.52	−0.0103	0.0537	0.038	69 57 20.2	10.843	+0.003	0.11	73.7	100 141 216	70 848
2379	8.3	49 7.07	+0.0678	0.0503	0.036	69 28 30.2	10.840	+0.013	0.10	76.7	141 211 299	69 817
2380	7.9	49 43.40	+0.4429	0.0356	0.024	66 48 16.2	10.796	+0.059	0.07	77.4[1]	98 185 299 301	66 923
2381	9.2	15 50 34.31	+0.1197	+0.0476	−0.033	+ 69 4 4.6	−10.733	+0.019	+0.10	77.4 78.1	100 187 299 301	69 818
2382	9.2	50 53.13	+0.6124	0.0297	0.019	65 19 14.6	10.710	+0.080	0.06	73.4	98 184	65 1084
2383	9.4	50 57.51	+0.0988	0.0483	0.033	69 10 55.6	10.704	+0.017	0.10	75.3	211 217 218	69 819
2384	9.2	52 15.79	+0.6232	0.0291	0.018	65 8 33.5	10.608	+0.082	0.06	73.4	98 184	65 1086
2385	6.7	52 16.50	+0.5647	0.0309	0.020	65 39 13.2	10.607	+0.074	0.07	78.1	185 216 299 301	65 1087
2386	9.2	15 52 28.39	+0.0942	+0.0479	−0.033	+ 69 7 56.6	−10.592	+0.016	+0.10	77.3 77.7	211 218 299	69 820
2387	8.7	52 40.97	−0.0359	0.0532	0.037	69 55 29.4	10.576	0.000	0.11	75.3	211 217 218	69 822
2388	9.2	52 42.00	+0.0989	0.0476	0.032	69 5 28.0	10.575	+0.017	0.10	73.9 73.4	100 218	69 824
2389	8.4	52 43.78	+0.0561	0.0493	0.034	69 21 39.3	10.573	+0.011	0.10	77.1	189 215 300	69 823
2390	6.6	53 21.17	+0.0944	0.0475	0.032	69 5 9.6	10.527	+0.016	0.10	74.4 74.2	100 216 218	69 825
2391	9.0	15 54 12.89	+0.3947	+0.0360	−0.023	+ 66 55 37.0	−10.462	+0.054	+0.08	73.4	98 184	66 925
2392	8.6	54 22.20	−0.0330	0.0523	0.035	69 49 23.4	10.451	0.000	0.11	74.1	100 189 217	69 926
2393	9.1	56 4.52	+0.2582	0.0402	0.026	67 50 16.8	10.323	+0.037	0.08	76.1	98 188 299	67 921
2394	8.8	56 28.89	+0.5240	0.0312	0.019	65 45 30.0	10.293	+0.070	0.07	73.0	96 184 R2	65 1092
2395	8.9	57 25.64	−0.0868	0.0531	0.035	69 59 32.7	10.221	−0.007	0.11	77.4	100 188 299 301	70 853
2396	8.1	15 57 57.70	+0.4349	+0.0336	−0.021	+ 66 24 24.2	−10.181	+0.059	+0.07	73.4	98 187	66 927
2397	7.2	58 19.87	+0.5720	0.0292	0.018	65 14 38.3	10.153	+0.076	0.06	77.1	189 216 300	65 1093
2398	8.6	58 22.57	+0.5887	0.0287	0.017	65 5 43.0	10.150	+0.078	0.06	76.1	98 187 299	65 1094
2399	8.9	58 37.45	+0.6098	0.0280	0.017	64 53 37.6	10.131	+0.081	0.06	76.4	5 Beob.[2]	64 1105
2400	8.7	58 37.66	−0.1100	0.0535	0.035	70 4 14.2	10.131	−0.010	0.11	78.9	100 188 300 310	70 856

[1] E.B. [2] Z. 96 187 300 301 R2

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2401	9.4	15h 58m 47.s12	+0.s4179	+0.s0339	−0.s021	+ 66°29′ 51.″3	−10.″119	+0.″057	+0.″07	77.4 77.8	217 218 300	66° 929
2402	8.4	59 31.99	−0.0310	0.0499	0.032	69 33 40.9	10.063	0.000	0.10	78.8 79.4	211α 217 299 301	69 831
2403	9.0	59 39.82	−0.1220	0.0535	0.035	70 5 29.4	10.053	−0.011	0.11	78.1	100 188 310	70 857
2404	7.1	59 45.92	+0.5567	0.0294	0.018	65 17 49.9	10.045	+0.075	0.06	73.0	96 187 R2	65 1095
2405	6.6	59 51.53	+0.2113	0.0406	0.025	67 58 26.0	10.038	+0.031	0.09	75.3	217 218	68 858
2406	8.6	15 59 53.61	−0.0357	+0.0499	−0.032	+ 69 34 22.3	−10.035	0.000	+0.11	75.1	189 211 218 220	69 832
2407	8.9	16 0 2.10	+0.4884	0.0314	0.019	65 51 39.9	10.024	+0.066	0.07	77.1 77.4	98 218 263 300	65 1096
2408	8.8	0 13.89	+0.1447	0.0429	0.027	68 24 35.8	10.010	+0.023	0.09	75.3	217 218 220	68 859
2409	9.4	0 58.72	+0.3181	0.0366	0.023	67 8 52.6	9.953	+0.045	0.08	73.4	96 187	67 922
2410	9.5	1 12.74	+0.1643	0.0418	0.026	68 13 47.5	9.935	+0.025	0.09	74.3 74.8	100α 188 211	68 860
2411	9.0	16 1 32.60	+0.2713	+0.0380	−0.023	+ 67 27 46.8	− 9.910	+0.039	+0.08	77.1 77.4	98 218 263 299	67 923
2412	8.7	1 37.33	+0.4568	0.0319	0.019	66 2 6.9	9.904	+0.062	0.07	73.4	96 184	66 930
2413	9.2	3 3.16	+0.0549	0.0451	0.028	68 51 40.9	9.795	+0.011	0.10	74.0	100 188 217	68 861
2414	8.9	4 0.29	+0.1593	0.0410	0.025	68 7 41.0	9.722	+0.024	0.09	77.0	188 211 299	68 862
2415	8.6	4 16.03	+0.4864	0.0303	0.018	65 39 12.4	9.702	+0.066	0.07	74.2	96 184 234	65 1097
2416	9.2	16 4 43.85	+0.2968	+0.0361	−0.022	+ 67 7 5.0	− 9.666	+0.042	+0.08	76.9	98 187 263 299	67 925
2417	8.4	4 53.28	+0.2679	0.0370	0.022	67 19 18.2	9.654	+0.038	0.08	73.4	98 187	67 926
2418	7.3	4 54.91	+0.5569	0.0281	0.016	65 1 7.7	9.652	+0.075	0.06	74.2	96 184 234	65 1098
2419	7.8	5 28.13	+0.0422	0.0446	0.027	68 49 47.6	9.610	+0.009	0.10	74.4 74.0	100 188 217	68 863
2420	5.5	5 59.45	+0.1437	0.0408	0.024	68 8 22.5	9.570	+0.022	0.09	74.0	98 187 211	68 864
2421	8.7	16 6 46.48	−0.0376	+0.0470	−0.028	+ 69 16 5.4	− 9.509	−0.001	+0.10	75.4	100 188 263	69 834
2422	8.6	6 57.42	+0.5278	0.0285	0.017	65 9 54.4	9.495	+0.072	0.06	76.0	96 184 234 299	65 1099
2423	9.4	7 18.31	−0.1544	0.0512	0.030	69 56 5.8	9.469	−0.016	0.11	74.8	188 211	69 835
2424	9.4	7 46.63	+0.4498	0.0305	0.018	65 46 35.5	9.432	+0.062	0.07	76.0 76.4	96 184 300	65 1100
2425	9.2	8 37.51	−0.1932	0.0521	0.030	70 5 54.8	9.367	−0.021	0.11	75.9	100 188 217 299	70 867
2426	8.9	16 8 45.71	+0.3959	+0.0318	−0.018	+ 66 9 42.3	− 9.356	+0.055	+0.07	74.3	96 187 234	66 937
2427	8.5	9 5.05	+0.1885	0.0382	0.022	67 41 16.4	9.331	+0.028	0.08	76.9	98 187 263 299	67 928
2428	9.3	9 46.23	−0.0842	0.0474	0.028	69 25 5.3	9.278	−0.007	0.10	75.4	100 188 263	69 836
2429	8.6	9 51.32	+0.0114	0.0439	0.025	68 49 41.9	9.271	+0.005	0.10	73.9	98 221	68 865
2430	9.0	10 4.44	+0.3807	0.0319	0.018	66 13 5.3	9.254	+0.053	0.07	74.2	96 184 234	66 938
2431	6.2	16 11 57.61	+0.2021	+0.0368	−0.021	+ 67 27 39.8	− 9.108	+0.030	+0.08	75.4	98 187 263	67 930
2432	9.2	12 24.39	+0.4507	0.0293	0.016	65 32 37.8	9.073	+0.063	0.06	74.8	184 217	65 1105
2433	9.3	12 24.77	−0.1622	0.0491	0.028	69 45 51.2	9.072	−0.017	0.11	73.4	100 188	69 837
2434	8.5	12 36.52	+0.3382	0.0324	0.018	66 25 44.4	9.057	+0.048	0.07	77.6	187 217 263 299	66 940
2435	8.0	12 41.81	+0.2710	0.0344	0.019	66 55 50.3	9.050	+0.039	0.07	77.0	221 234 264	66 941
2436	8.7	16 12 48.70	−0.0687	+0.0455	−0.025	+ 69 11 45.9	− 9.041	−0.005	+0.10	74.7 75.3	100α 211 222	69 838
2437	8.8	13 22.71	+0.3878	0.0308	0.017	66 0 19.9	8.997	+0.054	0.07	77.9	217 221 263 299	66 942
2438	7.4	13 51.91	+0.2966	0.0333	0.019	66 41 12.0	8.959	+0.043	0.07	77.0	222 234 264	66 944
2439	8.9	13 57.42	+0.4402	0.0292	0.016	65 33 22.3	8.952	+0.061	0.06	73.4	96 184	65 1106
2440	9.4	14 1.52	+0.1259	0.0385	0.021	67 53 50.1	8.946	+0.020	0.08	75.0 75.2	188 211 222	67 932
2441	8.3	16 14 2.03	+0.1747	+0.0369	−0.020	+ 67 33 39.7	− 8.946	+0.027	+0.08	75.4	217 221	67 933
2442	7.9	14 7.52	+0.4607	0.0286	0.016	65 22 44.5	8.938	+0.064	0.06	76.6	187 234 264	65 1107
2443	8.8	14 44.33	+0.4872	0.0277	0.015	65 7 41.9	8.890	+0.068	0.06	77.8	187 234 263 299	65 1108
2444	9.2	15 30.42	+0.4346	0.0289	0.016	65 31 48.2	8.830	+0.061	0.06	74.6 75.4	96 184 263	65 1109
2445	9.0	15 33.59	+0.2689	0.0336	0.018	66 49 1.4	8.826	+0.039	0.07	77.4 77.9	217 221 263δ 299	66 945
2446	9.1	16 15 39.63	+0.4748	+0.0278	−0.015	+ 65 11 20.4	− 8.818	+0.066	+0.06	76.6	187 234 264	65 1110
2447	9.0	16 7.56	+0.3571	0.0309	0.017	66 7 16.8	8.781	+0.051	0.07	76.5 77.0	221 234 263	66 946
2448	8.3	16 30.44	+0.1625	0.0364	0.020	67 32 20.9	8.751	+0.025	0.08	76.9[1]	100 188 217 299	67 935
2449	9.0	17 29.33	+0.4779	0.0272	0.015	65 4 44.0	8.674	+0.067	0.06	75.4	96 184 264	65 1112
2450	9.0	18 9.39	+0.1494	0.0363	0.019	67 33 36.6	8.621	+0.023	0.08	74.9	187 217	67 937

[1] E.B. −0.s0854 +0.″070 (BB VII)

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2451	6.4	16h 18m 13.s43	−0.s0487	+0.s0425	−0.s022	+ 68°51′ 6.″4	−8.″616	−0.″003	+0.″09	73.4	100 188	68° 868
2452	9.1	18 38.13	+0.3697	0.0298	0.016	65 54 38.2	8.583	+0.052	0.07	75.4	96 184 264	65 1113
2453	9.3	19 11.83	+0.3824	0.0293	0.016	65 47 6.3	8.539	+0.054	0.07	78.1	221 234 263 299	65 1114
2454	8.6	19 20.23	+0.4459	0.0276	0.015	65 15 46.2	8.528	+0.063	0.06	77.6	187 217 264 299	65 1115
2455	9.1	19 32.87	+0.3764	0.0294	0.016	65 49 2.6	8.511	+0.053	0.07	73.4	96 184	65 1116
2456	9.1	16 20 3.42	+0.2890	+0.0316	−0.017	+ 66 28 18.9	−8.471	+0.042	+0.07	73.9	100 222	66 947
2457	8.5	20 49.68	+0.0378	0.0387	0.020	68 11 57.2	8.410	+0.009	0.09	76.4 76.6	217 223 264 R5	68 870
2458	8.9	21 2.20	+0.3163	0.0306	0.016	66 13 21.4	8.393	+0.046	0.07	76.6 76.8	223 234 263 R5	66 948
2459	5.4	22 6.26	−0.1649	0.0446	0.022	69 23 55.5	8.308	−0.018	0.10	77.1	217 223 301 R5	69 845
2460	8.9	22 14.00	+0.4114	0.0277	0.014	65 25 9.2	8.298	+0.058	0.06	76.8 77.0	5 Beob. [1]	65 1117
2461	9.2	16 22 52.22	+0.4073	+0.0277	−0.014	+ 65 25 33.1	−8.247	+0.058	+0.06	76.3 77.0	5 Beob. [2]	65 1118
2462	8.7	23 30.12	+0.1962	0.0331	0.017	67 0 37.3	8.197	+0.030	0.07	77.0	223 234 264	67 940
2463	9.0	23 48.75	−0.0574	0.0405	0.020	68 41 18.7	8.172	−0.004	0.09	77.0	223 235 263	68 871
2464	9.0	24 25.03	−0.2577	0.0466	0.022	69 50 34.0	8.123	−0.031	0.10	76.1	100 188 300	69 847
2465	9.3	24 31.71	−0.1148	0.0419	0.020	69 0 44.0	8.115	−0.012	0.09	75.4	217 221	69 846
2466	9.1	16 24 35.19	+0.3467	+0.0287	−0.015	+ 65 50 15.1	−8.110	+0.050	+0.06	76.7 77.4	5 Beob. [3]	65 1119
2467	9.2	24 46.02	−0.0782	0.0407	0.020	68 46 51.3	8.095	−0.007	0.09	76.5 77.0	220 235 263	68 872
2468	7.7	25 0.16	+0.1393	0.0342	0.017	67 21 7.1	8.077	+0.022	0.08	75.9	222 236	67 941
2469	9.0	26 32.97	+0.3326	0.0285	0.014	65 52 3.8	7.953	+0.048	0.06	77.0	224 234 264	65 1121
2470	8.5	26 55.37	−0.0057	0.0376	0.018	68 14 46.3	7.923	+0.003	0.08	77.0	220 235 263	68 873
2471	8.7	16 27 20.89	−0.0464	+0.0386	−0.018	+ 68 29 18.5	−7.888	−0.003	+0.09	77.4 77.2	5 Beob. [4]	68 874
2472	8.9	27 25.22	+0.2607	0.0301	0.015	66 22 56.4	7.882	+0.038	0.07	77.6	5 Beob. [5]	66 954
2473	9.0	27 26.92	−0.1619	0.0421	0 019	69 11 10.7	7.880	−0.018	0.09	76.9 77.1	217 223 301 R5	69 849
2474	9.4	27 27.22	+0.2623	0.0300	0.015	66 22 10.6	7.880	+0.039	0.07	78.2	236 254 301 R10	66 955
2475	9.0	27 39.64	−0.3002	0.0464	0.021	69 57 48.2	7.863	−0.037	0.10	77.4	217 220 300	70 881
2476	8.9	16 27 57.39	−0.0680	+0.0390	−0.018	+ 68 36 4.5	−7.839	−0.006	+0.09	77.2 77.4	5 Beob. [6]	68 875
2477	6.4	28 3.07	+0.1277	0.0334	0.016	67 18 56.5	7.832	+0.021	0.07	78.4	6 Beob. [7]	67 942
2478	7.9	28 8.62	+0.4259	0.0258	0.013	65 3 12.2	7.824	+0.061	0.06	76.5 77.0	225 234 264	65 1122
2479	**5.0**	**28 14.08**	**−0.1416**	**0.0411**	**0.019**	**69 2 18.8**	**7.817**	**−0.016**	**0.09**		**Fund. Cat. [8]**	**69 850**
2480	8.7	28 26.89	+0.4157	0.0260	0.013	65 7 31.7	7.800	+0.059	0.06	77.0	225 234 264	65 1123
2481	8.6	16 28 51.68	−0.3176	+0 0464	−0.020	+ 70 1 2.6	−7.766	−0.039	+0.10	77.6	189 217 263 300	70 882
2482	8.8	29 43.12	−0.1775	0.0416	0.018	69 11 54.2	7.697	−0.021	0 09	74.9	189 217	69 851
2483	9.2	29 45.39	+0.3304	0.0277	0.013	65 45 29.4	7.694	+0.048	0.06	77.6	234 254 263	65 1124
2484	8.0	29 47.08	−0.1364	0.0403	0.018	68 57 11.6	7.692	−0.015	0.09	77.6 77.0	220 235 264 266	68 876
2485	8.8	29 51.43	+0.4193	0.0255	0.013	65 2 23.5	7.686	+0.060	0.06	78.2 78.4	234 254 264 300	65 1125
2486	8.4	16 30 15.59	+0.0715	+0.0342	−0.016	+ 67 37 2.1[9]	−7.653	+0.013	+0.08	75.8 75.9	223 236 R5α	67 945
2487	8.7	30 56.21	+0.2250	0.0299	0.014	66 30 44.8	7.599	+0.034	0.07	76.6 76.7	5 Beob. [10]	66 958
2488	9.0	30 58.63	+0.1598	0.0316	0.015	66 58 55.1	7.595	+0.025	0.07	78.9	237 300	67 946
2489	9.4	31 4.32	+0.0350	0.0349	0.016	67 49 50.5	7.588	+0.008	0.08	76.5 77.0	220 235 263	67 947
2490	9.0	31 24.57	+0.3153	0.0276	0.013	65 48 44.6	7.560	+0.046	0.06	77.3 77.0	222 234 264 266	65 1126
2491	9.2	16 31 51.34	+0.4198	+0.0250	−0.012	+ 64 57 24.7	−7.524	+0.060	+0.06	75.4	184 236	65 1127
2492	8.5	31 59.15	+0.0259	0.0348	0.015	67 51 30.9	7.514	+0.007	0.08	77.0	221 235 265	67 949
2493	var.[11]	32 19.79	+0.1482	0.0314	0.014	67 0 52.5	7.486	+0.023	0.07	77.8 78.0	5 Beob. [12]	67 950
2494	9.0	32 40.18	−0.2899	0.0436	0.018	69 44 22.5	7.458	−0.036	0.10	74.9	189 217	69 853
2495	9.4	32 49.49	−0.3252	0.0446	0.018	69 55 41.2	7.446	−0.041	0.10	75.4	217 220	69 854
2496	8.6	16 32 50.28	−0.0466	+0.0364	−0.016	+ 68 17 43.7	−7.444	−0.003	+0.08	76.5	5 Beob. [13]	68 878
2497	9.1	32 52.37	+0.0267	0.0344	0.015	67 49 20.0	7.442	+0.007	0.08	77.1	221 236 265	67 951
2498	8.4	33 11.62	+0.1470	0.0311	0.014	66 59 29.5	7.415	+0.023	0.07	76.4	6 Beob. [14]	67 952
2499	8.6	33 15.29	+0.2406	0.0288	0.013	66 18 42.7	7.411	+0.036	0.06	77.1 76.7	184 236 264 266	66 959
2500	8.9	33 19.29	+0.2186	0.0293	0.013	66 28 19.0	7.405	+0.033	0.07	77.3 77.0	222 234 264 266	66 960

[1] Z. 96 223 263 300 R5 [2] Z. 96 223 263 300 R5 [3] Z. 96 187 264 265 300
[4] Z. 223 237 301 R5 δ (α ausgeschlossen) R7 [5] Z. 224 236 254 301 R10 [6] Z. 235 254 264 R5 R10
[7] Z. 225 237 263 300 301 R7 [8] E.B. −0.s009 +0.″036 [9] δ Z. R5 ausgeschlossen [10] Z. 217 223 224 301 R5
[11] R Draconis [12] Z. 250 254 263 R9 R10 [13] Z. 223 225 235 265 R5 [14] Z. 224 225 237 254 R7 R10

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2501	9.3	16h 33m 35.s83	+0.s0139	+0.s0345	−0.s015	+ 67° 52′ 51.″6	−7.″383	+0.″005	+0.″08	75.9	221 237	67° 953
2502	8.5	33 45.02	+0.2044	0.0295	0.013	66 33 35.8	7.370	+0.031	0.07	75.9	222 236	66 962
2503	8.8	33 56.24	+0.2113	0.0293	0.013	66 30 11.4	7.355	+0.032	0.07	76.6 76.9	220 222α 234 263	66 963
2504	7.0	33 58.62	−0.0485	0.0360	0.015	68 16 7.3	7.352	−0.003	0.08	78.2 78.6	5 Beob. [1]	68 879
2505	8.5	34 52.01	+0.0439	0.0332	0.014	67 38 22.4	7.279	+0.009	0.07	76.1 75.9	184 237 250 R7	67 955
2506	9.4	16 35 26.90	−0.2698	+0.0416	−0.016	+ 69 32 17.9	−7.232	−0.034	+0.09	79.7	236 300 301	[69 858]
2507	9.2	35 33.09	+0.0584	0.0326	0.014	67 31 7.5	7.223	+0.011	0.07	79.1 79.4	220 263 300 301	67 956
2508	9.0	36 36.08	+0.1461	0.0300	0.013	66 52 41.7	7.138	+0.023	0.07	76.6	184 234 263	66 966
2509	7.8	37 22.93	−0.3720	0.0437	0.016	70 2 17.0	7.074	−0.048	0.10	76.8	189 235 250 264	70 887
2510	8.4	37 32.97	+0.1987	0.0284	0.012	66 28 3.6	7.060	+0.030	0.06	75.9	221 236	66 967
2511	8.7	16 37 34.77	+0.0746	+0.0314	−0.013	+ 67 20 27.3	−7.058	+0.013	+0.07	76.1	220 237 R7	67 958
2512	8.7	37 36.33	+0.3045	0.0260	0.012	65 40 10.5	7.055	+0.045	0.06	76.4 76.8	184 234 254 263	65 1133
2513	7.8	37 44.05	−0.3792	0.0437	0.015	70 3 57.3	7.045	−0.049	0.10	77.8	189 235 264 300	70 888
2514	8.9	38 10.36	−0.2892	0.0409	0.015	69 33 43.2	7.009	−0.036	0.09	76.7	189 235 265	69 859
2515	8.9	38 28.71	+0.1985	0.0281	0.012	66 26 14.1	6.984	+0.030	0.06	76.6 77.1	221 236 263	66 968
2516	7.5	16 38 29.38	−0.2631	+0.0400	−0.015	+ 69 24 21.7	−6.983	−0.033	+0.09	77.0	220 235 264	69 860
2517	8.9	38 37.45	+0.2349	0.0273	0.012	66 9 51.2	6.972	+0.035	0.06	75.7	184 237 R7	66 969
2518	8.8	39 18.09	+0.2462	0.0268	0.012	66 3 21.3	6.916	+0.037	0.06	76.0	221 236 237	66 970
2519	9.0	39 23.04	−0.3579	0.0423	0.014	69 54 9.4	6.910	−0.046	0.10	76.7	189 235 264	69 862
2520	9.4	39 25.64	+0.1748	0.0284	0.012	66 34 38.4	6.906	+0.027	0.06	76.0	222 236	66 971
2521	8.0	16 39 27.29	−0.1245	+0.0358	−0.014	+ 68 33 44.1	−6.904	−0.014	+0.08	76.1	220 237 R7	68 880
2522	9.1	39 36.88	+0.3361	0.0247	0.011	65 21 2.0	6.891	+0.049	0.06	77.1	222 234 254 265	65 1138
2523	8.8	39 51.96	−0.0167	0.0328	0.013	67 52 18.5	6.870	+0.001	0.07	75.8	221 224 237	67 961
2524	5[2]	40 3.54	+0.3990	0.0233	0.010	64 49 33.7	6.854	+0.058	0.05	76.4[3]	5 Beob. [4]	64 1145
2525	8.0	40 47.71	+0.0805	0.0301	0.012	67 11 43.5	6.794	+0.014	0.07	76.9	220 234 263	67 962
2526	9.0	16 40 57.07	−0.2844	+0.0394	−0.014	+ 69 27 7.1	−6.781	−0.036	+0.09	76.1 76.7	189 235 264	69 864
2527	9.4	41 2.54	+0.2937	0.0252	0.011	65 38 3.4	6.773	+0.043	0.06	76.2	96 221 222 301	65 1139
2528	9.1	41 45.27	+0.1006	0.0293	0.012	67 1 33.1	6.715	+0.017	0.07	78.1	220 234 263 300	67 963
2529	9.2	42 33.18	+0.3642	0.0233	0.010	65 1 31.6	6.649	+0.053	0.05	75.7	96 222 263	65 1140
2530	7.4	42 54.87	−0.1020	0.0337	0.012	68 19 4.0	6.619	−0.011	0.08	77.8[5]	5 Beob. [6]	68 883
2531	7.0	16 43 34.22	+0.3047	+0.0243	−0.010	+ 65 27 52.9	−6.565	+0.045	+0.06	75.7	96 222 264	65 1141
2532	9.0[7]	44 35.23	+0.0913	0.0286	0.011	67 0 6.4	6.480	+0.015	0.07	76.9	220 234 263	67 967
2533	9.2	44 55.53	+0.3160	0.0237	0.010	65 19 55.9	6.452	+0.046	0.05	73.9	96 222	65 1143
2534	7.9	45 7.82	+0.0730	0.0288	0.011	67 6 41.3	6.435	+0.013	0.07	75.4	190 223 236	67 968
2535	8.6	45 26.81	+0.1755	0.0264	0.010	66 22 43.4	6.409	+0.027	0.06	76.7 77.1	221 234 254 263	66 974
2536	8.6	16 45 56.63	−0.1427	+0.0335	−0.011	+ 68 28 44.1	−6.368	−0.017	+0.08	76.0	220 235 237	68 884
2537	7.1	46 24.26	+0.1876	0.0259	0.010	66 15 38.9	6.330	+0.029	0.06	76.6	96 222 254 301	66 975
2538	8.6	46 32.93	−0.3864	0.0394	0.011	69 51 12.2	6.318	−0.051	0.09	74.9	189 217	69 868
2539	9.0	46 47.61	−0.4017	0.0396	0.011	69 55 43.4	6.297	−0.053	0.09	74.9	189 217	69 869
2540	7.0	47 0.99	+0.0091	0.0295	0.011	67 29 7.1	6.279	+0.004	0.07	76.9	190 223 236 301	67 969
2541	8.2	16 47 3.09	−0.3325	+0.0377	−0.011	+ 69 32 50.1	−6.276	−0.043	+0.09	77.0	221 235 264	69 870
2542	8.5	47 13.29	+0.0563	0.0284	0.011	67 9 44.7	6.262	+0.010	0.07	77.8	190 234 263 300	67 970
2543	9.2	47 13.89	+0.3292	0.0228	0.010	65 9 14.1	6.261	+0.048	0.05	73.9	96 222	65 1146
2544	7.4	47 54.68	−0.0834	0.0313	0.011	68 3 23.0	6.204	−0.009	0.07	77.1	221 237 265	68 888
2545	7.4	47 56.95	−0.2950	0.0363	0.011	69 18 51.5	6.201	−0.038	0.09	75.4	217 220	69 872
2546	8.8	16 48 0.24	−0.2517	+0.0352	−0.011	+ 69 3 58.8	−6.197	−0.032	+0.08	77.8	189 235 263 300	69 873
2547	9.0	49 2.60	+0.2018	0.0247	0.010	66 4 36.2	6.110	+0.031	0 06	74.7	96 190 223 236	66 978
2548	7.6	49 31.12	−0.0513	0.0299	0.010	67 48 27.7	6.071	−0.005	0.07	77.1	220 234 254 263	67 971
2549	8.1	49 49.20	−0.2720	0.0349	0.010	69 8 3.7	6.045	−0.035	0.08	77.1	189 217 301	69 877
2550	8.8	49 58.09	−0.0001	0.0286	0.010	67 27 41.4	6.033	+0.003	0.07	77.8	5 Beob. [8]	67 972

[1] Z. 189 235 265 300 301 [2] Rothgelb [3] E.B. +0.s0001 −0.″015 [4] Z. 96 184 250 300 R9
[5] E.B. −0.s0400 +0.″410 (BB VII) [6] Z. 189 235 254 265 301 [7] Com. 9m5 3″155° [8] Z. 221 234 237 264 300

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2551	8.3	16h 50m 55s.47	+0s.2827	+0s.0226	−0s.009	+ 65° 24′ 28″.2	−5″.953	+0″.042	+0″.05	74.7	96 190 222 236	65° 1150
2552	8.1	51 41.65	−0.0683	0.0294	0.009	67 51 23.6	5.889	−0.007	0.07	76.4	189 223 235 263	67 974
2553	8.8	51 44.76	−0.0056	0.0281	0.009	67 26 55.3	5.885	+0.002	0.07	76.0	221 234 237	67 973
2554	7.6	52 6.88	−0.1117	0.0302	0.009	68 7 5.7	5.854	−0.013	0.07	76.0	217 220 254	68 893
2555	8.9	52 14.14	−0.0893	0.0297	0.009	67 58 31.6	5.844	−0.010	0.07	76.7	217 220 265	68 894
2556	9.1	16 52 45.15	−0.1943	+0.0317	−0.009	+ 68 36 18.0	−5.800	−0.025	+0.07	77.8	189 234 263 300	68 895
2557	8.8	53 13.52	+0.0807	0.0257	0.009	66 49 32.6	5.761	+0.014	0.06	74.7	96 190 222 236	66 982
2558	8.4	54 32.99	−0.2118	0.0313	0.008	68 39 48.1	5.650	−0.027	0.07	77.5	5 Beob. [1]	68 896
2559	9.0	54 43.47	−0.2755	0.0327	0.008	69 1 47.3	5.635	−0.036	0.08	75.7	189 217 254	69 878
2560	8.8	54 44.33	+0.3051	0.0211	0.008	65 7 24.1	5.634	+0.045	0.05	73.4	96 190	65 1156
2561	8.8	16 55 9.17	−0.4359	+0.0361	−0.007	+ 69 54 0.4	−5.599	−0.059	+0.09	74.9	189 217	69 879
2562	5.0	55 20.66	+0.2772	0.0214	0.008	65 19 31.2	5.583	+0.041	0.05	75.6 [2]	190 234 237	65 1157
2563	7.7	55 30.50	−0.1313	0.0292	0.007	68 9 12.1	5.569	−0.016	0.07	76.4	191 222 235 263	68 899
2564	6.4[3]	55 48.53	+0.2879	0.0211	0.008	65 13 44.2	5.544	+0.042	0.05	74.8 [4]	96 190 254	65 1159
2565	6.5	55 51.35	−0.0561	0.0275	0.008	67 40 12.8	5.540	−0.005	0.06	75.8	221 223 236	67 977
2566	7.9	16 55 56.51	−0.1208	+0.0288	−0.008	+ 68 4 37.3	−5.533	−0.015	+0.07	77.0	220 235 264	68 900
2567	8.7	56 41.57	−0.1446	0.0290	0.008	68 12 21.8	5.469	−0.018	0.07	75.9	221 236	68 901
2568	9.2	56 55.15	−0.3155	0.0325	0.007	69 12 12.9	5.450	−0.042	0.08	74.9	189 217	69 880
2569	8.9	56 55.18	−0.0514	0.0270	0.008	67 36 46.5	5.450	−0.005	0.06	77.1	222 234 254 263	67 978
2570	9.1	57 30.75	−0.1700	0.0292	0.007	68 20 26.4	5.400	−0.022	0.07	77.8	5 Beob. [5]	68 903
2571	8.7	16 57 41.97	−0.2415	+0.0306	−0.007	+ 68 45 43.4	−5.385	−0.032	+0.07	75.9	221 236	68 904
2572	8.8	58 7.32	−0.1097	0.0277	0.007	67 57 17.9	5.349	−0.013	0.07	77.1	223 234 254 265	67 979
2573	8.3	58 19.71	−0.2654	0.0308	0.007	68 53 9.7	5.332	−0.035	0.07	75.9	220 237	68 906
2574	8.9[6]	58 46.02	+0.2567	0.0208	0.008	65 23 31.4	5.295	+0.038	0.05	75.4	96 190 263	65 1161
2575	8.5	58 52.12	−0.3165	0.0316	0.006	69 9 52.7	5.286	−0.042	0.08	77.0	220 235 265	69 881
2576	9.4	16 59 0.35	+0.3211	+0.0196	−0.007	+ 64 52 48.9	−5.274	+0.047	+0.05	73.9	96 222	64 1164
2577	9.2	59 15.24	−0.4281	0.0338	0.006	69 45 57.2	5.253	−0.058	0.08	77.1	189 217 300	69 882
2578	9.2	59 24.14	+0.0259	0.0246	0.007	67 2 30.2	5.241	+0.006	0.06	77.0	221 234 264	67 981
2579	8.6	59 30.37	+0.0054	0.0249	0.007	67 10 35.6	5.232	+0.003	0.06	78.0 78.2	222 236 264 300	67 982
2580	7.4	59 32.36	−0.4391	0.0339	0.005	69 49 2.9	5.229	−0.060	0.08	77.6	189 217 265 300	69 883
2581	6.8	16 59 44.77	−0.3569	+0.0320	−0.006	+ 69 22 9.8	−5.212	−0.048	+0.08	77.2	5 Beob. [7]	69 884
2582	7.0	59 48.37	−0.2669	0.0301	0.006	68 51 38.6	5.207	−0.035	0.07	78.0 78.2	221 237 265 300	68 908
2583	8.8	17 0 29.34	+0.3175	0.0193	0.007	64 52 14.4	5.149	+0.047	0.04	73.4	96 190	64 1166
2584	9.2	1 12.54	+0.1012	0.0226	0.007	66 28 41.0	5.088	+0.016	0.06	78.7	5 Beob. [8]	66 988
2585	9.0	1 39.21	−0.4505	0.0331	0.005	69 49 56.3	5.051	−0.061	0.08	77.1	189 217 301	69 885
2586	9.3	17 1 55.26	−0.4196	+0.0323	−0.005	+ 69 39 45.5	−5.028	−0.057	+0.08	77.0 76.5	220 235 266	69 887
2587	8.5	2 0.55	+0.0664	0.0230	0.007	66 42 7.8	5.020	+0.011	0.05	76.8	190 236 265	66 989
2588	9.0	2 5.57	+0.0961	0.0224	0.007	66 29 35.6	5.013	+0.016	0.05	77.1	222 234 254 265	66 990
2589	9.3	2 29.94	−0.3352	0.0303	0.005	69 11 20.8	4.979	−0.045	0.07	75.4	217 220	69 888
2590	9.3	2 53.98	+0.1694	0.0209	0.007	65 56 47.1	4.945	+0.026	0.05	75.7	96 222 263	65 1164
2591	8.7	17 2 55.38	−0.1388	+0.0263	−0.006	+ 68 1 31.2	−4.943	−0.018	+0.06	77.0 76.5	221 235 266	68 912
2592	9.0	3 9.63	+0.1148	0.0217	0.007	66 20 6.8	4.923	+0.018	0.05	77.1	223 236 265	66 991
2593	8.6	3 14.24	−0.0341	0.0243	0.006	67 21 3.8	4.916	−0.003	0.06	75.9	223 237	67 984
2594	9.0	3 32.86	−0.4196	0.0314	0.004	69 37 44.9	4.890	−0.057	0.08	76.4	189 217 264	69 890
2595	9.4	3 39.98	+0.2428	0.0195	0.007	65 22 36.1	4.880	+0.036	0.05	77.1	222 234 254 263	65 1166
2596	9.2	17 3 53.57	−0.0879	+0.0250	−0.006	+ 67 41 3.5	−4.861	−0.010	+0.06	76.0	220 235 237	67 985
2597	8.8	4 32.04	+0.2461	0.0192	0.007	65 19 53.2	4.806	+0.037	0.04	74.0	96 190 221	65 1167
2598	7.8	4 37.67	−0.4873	0.0323	0.003	69 57 50.3	4.798	−0.067	0.08	76.7	189 217 254 264	69 891
2599	8.8	4 47.93	+0.0471	0.0223	0.006	66 46 18.4	4.784	+0.009	0.05	76.6 77.1	220 236 265	66 992
2600	9.5	5 21.04	+0.1522	0.0204	0.006	66 0 55.8	4.737	+0.024	0.05	78.1	221 234 263 300	66 994

[1] Z. 220 223 235 263 301 [2] E.B. +0s.0357 +0″.044 [3] Einfach [4] E.B. −0s.003 +0″.030
[5] Z. 220 235 237 264 301 [6] 9m.2 seq. 2s.3 [7] Z. 191 235 254 264 266 [8] Z. 221 234 263 300 301

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
2601	9.4	17h 5m23.s70	+0.s1521	+0.s0204	−0.s006	+ 66° 0′ 55.″8	−4.″733	+0.″024	+0.″05	77.6 78.1	221 234 263δ 300	66° 994
2602	7.7	5 29.54	+0.2727	0.0186	−0.006	65 6 12.0	4.725	+0.041	0.04	75.4 74.6	96 190 266	65 1168
2603	9.0	5 37.50	−0.1860	0.0260	−0.005	68 15 23.0	4.713	−0.024	0.06	74.9	189 217	68 914
2604	8.9	5 47.27	+0.0111	0.0225	−0.006	66 59 40.1	4.700	+0.004	0.05	76.0	220 235 237	67 987
2605	9.3	6 39.49	+0.1339	0.0203	−0.006	66 7 9.5	4.626	+0.021	0.05	75.9	223 236	66 995
2606	9.1	17 6 57.54	+0.0883	+0.0209	−0.006	+ 66 26 16.7	−4.600	+0.015	+0.05	75.9	222 237	66 996
2607	9.2	7 14.32	−0.4990	0.0311	−0.002	69 58 24.8	4.576	−0.069	0.08	75.3	189 235	70 909
2608	9.3	8 23.64	+0.2936	0.0174	−0.006	64 52 24.4	4.478	+0.044	0.04	77.0	222 234 264	64 1177
2609	**3.0**	**8 25.72**	**+0.1631**	**0.0193**	**−0.006**	**65 52 7.4**	**4.475**	**+0.025**	**0.05**		**Fund. Cat.** [1]	**65 1170**
2610	8.5	8 50.41	+0.0336	0.0211	−0.005	66 46 38.2	4.440	+0.007	0.05	75.9	223 236	66 997
2611	8.8	17 9 5.51	−0.1045	+0.0232	−0.005	+ 67 40 51.0	−4.418	−0.013	+0.05	75.9	223 237	67 992
2612	9.2	9 30.60	+0.0218	0.0210	−0.005	66 50 38.8	4.382	+0.005	0.05	75.9	222 236	66 998
2613	9.3	9 44.07	−0.4320	0.0285	−0.002	69 34 32.2	4.363	−0.060	0.07	77.8	189 235 264 300	69 894
2614	8.0	9 48.33	−0.3734	0.0274	−0.003	69 15 21.3	4.357	−0.051	0.07	77.1	189 235 264 266	69 895
2615	9.1	10 10.23	+0.1623	0.0187	−0.006	65 50 15.3	4.326	+0.025	0.04	76.5	222 234 266	65 1171
2616	8.3	17 10 17.81	+0.0011	+0.0211	−0.005	+ 66 58 4.9	−4.315	+0.002	+0.05	75.9	223 237	67 994
2617	8.9	10 23.05	−0.2175	0.0245	−0.004	68 21 4.5	4.308	−0.029	0.06	77.8	223 237 300	68 916
2618	9.2	10 45.04	+0.0817	0.0197	−0.005	66 24 20.5	4.276	+0.014	0.05	76.5	224 236 250 R9	66 999
2619	8.7	10 55.20	−0.3204	0.0260	−0.003	68 56 22.1	4.262	−0.044	0.06	78.2	220 237 267 300	68 917
2620	9.2	11 6.06	+0.0949	0.0194	−0.005	66 18 19.2	4.246	+0.015	0.05	77.3	224 250 263 R9	66 1000
2621	8.7	17 11 20.48	+0.2055	+0.0178	−0.006	+ 65 29 31.9	−4.226	+0.031	+0.04	76.8	190 234 251 265	65 1172
2622	9.3	12 1.87	+0.1260	0.0186	−0.005	66 3 52.8	4.167	+0.020	0.04	76.7 76.8	221 222 236 267	66 1001
2623	8.8	12 2.79	−0.3326	0.0257	−0.002	68 59 18.3	4.166	−0.046	0.06	75.9	220 237	68 920
2624	9.0[2]	12 11.94	−0.4537	0.0277	−0.001	69 38 49.7	4.152	−0.063	0.07	77.8	189 235 267 300	69 898
2625	8.6	12 29.27	−0.4234	0.0270	−0.001	69 28 49.6	4.128	−0.059	0.07	75.4	189 237	69 899
2626	8.7	17 12 45.22	−0.1457	+0.0224	−0.004	+ 67 52 12.5	−4.105	−0.019	+0.05	78.0	5 Beob. [3]	67 994
2627	8.7	12 50.75	+0.0571	0.0193	−0.005	66 32 10.0	4.097	+0.010	0.05	76.8	190 234 254 263	66 1002
2628	8.1	12 53.24	−0.1291	0.0220	−0.004	67 45 49.0	4.094	−0.017	0.05	75.8	221 224 236	67 995
2629	8.1	13 20.20	−0.4207	0.0265	−0.001	69 27 5.5	4.055	−0.058	0.06	77.7	5 Beob. [4]	69 900
2630	9.3	13 47.40	−0.3059	0.0244	−0.002	68 48 21.9	4.016	−0.042	0.06	75.9	220 237	68 922
2631	8.4	17 14 10.55	−0.1046	+0.0212	−0.004	+ 67 35 10.1	−3.983	−0.013	+0.05	76.4	222 236 254	67 996
2632	8.8	14 16.42	−0.4874	0.0271	0.000	69 47 23.4	3.975	−0.068	0.07	76.4 76.7	5 Beob. [5]	69 901
2633	8.4	14 58.28	+0.0963	0.0181	−0.005	66 13 15.2	3.915	+0.015	0.04	76.6	220 224 234 263	66 1005
2634	8.5	15 5.96	+0.0136	0.0191	−0.004	66 47 35.5	3.904	+0.004	0.05	75.4	190 223 236	66 1006
2635	7.2	15 24.94	−0.0984	0.0206	−0.003	67 31 27.4	3.877	−0.012	0.05	75.9 75.7	191 222 238 250	67 997
2636	8.4	17 15 45.83	+0.0163	+0.0189	−0.004	+ 66 45 46.6	−3.847	+0.004	+0.04	77.4	5 Beob. [6]	66 1007
2637	8.8	16 43.95	+0.1983	0.0162	−0.005	65 26 33.9	3.764	+0.030	0.04	77.6	5 Beob. [7]	65 1175
2638	8.9	16 44.26	−0.2748	0.0226	−0.002	68 34 39.9	3.763	−0.038	0.05	76.9	6 Beob. [8]	68 926
2639	9.2	18 30.88	−0.2244	0.0211	−0.002	68 15 7.4	3.610	−0.031	0.05	77.0	220 235 263	68 928
2640	7.9	19 29.68	−0.0904	0.0189	−0.003	67 24 19.6	3.526	−0.011	0.05	75.7	220 223 236	67 1004
2641	8.6	17 19 30.05	−0.3682	+0.0226	0.000	+ 69 3 57.8	−3.525	−0.051	+0.06	76.1 76.3	5 Beob. [9]	69 904
2642	8.3	19 36.96	+0.2702	0.0145	−0.005	64 50 19.0	3.515	+0.040	0.03	76.4 75.9	190 222 234 266	64 1196
2643	7.8	19 40.66	−0.3570	0.0224	0.000	69 0 2.2	3.510	−0.050	0.06	76.1 76.3	5 Beob. [10]	69 906
2644	8.8	20 1.13	−0.4210	0.0231	+0.001	69 20 52.9	3.481	−0.059	0.06	76.8	189 235 254 264	69 908
2645	7.7	20 22.39	+0.1473	0.0157	−0.004	65 45 33.4	3.450	+0.023	0.04	75.6	190 224 234 238	65 1176
2646	8.7	17 20 37.89	−0.4227	+0.0229	+0.001	+ 69 20 54.4	−3.428	−0.059	+0.06	76.8	189 235 254 264	69 909
2647	7.3	20 53.61	+0.0161	0.0170	−0.003	66 40 42.9	3.405	+0.004	0.04	75.4	190 224 236	66 1013
2648	9.0	21 4.72	−0.2855	0.0208	−0.001	68 34 21.4	3.389	−0.040	0.05	77.1	220 237 251 263	68 929
2649	7.1	21 6.44	−0.5234	0.0241	+0.002	69 52 23.4	3.387	−0.074	0.06	76.6	6 Beob. [11]	69 910
2650	9.3	21 27.47	−0.1848	0.0193	−0.002	67 58 3.4	3.357	−0.025	0.05	75.9	222 236	67 1007

[1] E.B. −0.s0027 +0.″022 [2] Einfach [3] Z. 223 238 250 265 300 [4] Z. 189 235 251 264 300
[5] Z. 189 221 235 264 R9 [6] Z. 190 223 234 263 304 [7] Z. 190 234 238 267 300 [8] Z. 189 235 251 254 263 R9
[9] Z. 191 221 237 251 R9 [10] Z. 191 221 237 251 R9 [11] Z. 189 223 235 250 264 R9

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
2651	7.0	17h 22m 15s.72	−0s.5348	+0s.0236	+0s.003	+ 69° 54′ 57″.2	−3″.287	−0″.075	+0″.06	76.8	189 235 251 264	69° 911
2652	9.0	23 54.31	−0.1392	0.0177	−0.002	67 38 58.0	3.145	−0.019	0.05	76.1	222 236 238	67 1010
2653	8.7	24 36.44	−0.5339	0.0223	+0.003	69 52 50.9	3.085	−0.076	0.06	76.7	189 235 264	69 913
2654	9.3	24 55.26	+0.1262	0.0144	−0.003	65 50 36.4	3.058	+0.020	0.03	77.1	226 234 257 263	65 1183
2655	6.5	25 23.17	−0.1048	0.0167	−0.002	67 24 41.0	3.017	−0.014	0.04	77.2 [1]	191 238 241 300	67 1014
2656	8.1	17 25 25.28	−0.3870	+0.0200	+0.001	+ 69 5 17.7	−3.014	−0.054	+0.05	77 0	5 Beob. [2]	69 916
2657	9.3	25 33.22	+0.0978	0.0145	−0.003	66 2 19.8	3.003	+0.016	0.03	76.5	223 236 251 R9	66 1121
2658	9.5	25 53.10	+0.1175	0.0142	−0.003	65 53 33.0	2.974	+0.018	0.03	77.6	234 256 257 263	65 1184
2659	8.3	25 59.18[3]	+0.1924	0.0134	−0.004	65 20 17.5	2.965	+0.029	0.03	76.0 76.5	190 234 255 263δ	65 1186
2660	9.4	26 10.11	−0.3955	0.0198	+0.002	69 7 32.6	2.950	−0.056	0.05	76.9	189 235 237 264	69 918
2661	9.2	17 26 21.00	−0.2808	+0.0183	0.000	+ 68 28 25.5	−2.934	−0.039	+0.04	76.0	223 239	68 930
2662	9.4	26 22.93	−0.3885	0.0196	+0.002	69 5 5.4	2.931	−0.055	0.05	79.8	237 300 302	69 919
2663	7.7	26 38.34	−0.1799	0.0171	−0.001	67 51 58.3	2.909	−0.025	0.04	76.1	224 238 241	67 1015
2664	8.9	26 51.95	−0.2549	0.0178	0.000	68 18 55.7	2.889	−0.035	0.04	76.5	221 239 251 R9	68 931
2665	8.9	27 17.12	+0.2089	0.0129	−0.004	65 11 41.1	2.853	+0.031	0.03	77.4	190 236 254 302	65 1187
2666	8.9	17 27 45.78	+0.1069	+0.0137	−0.003	+ 65 56 36.5	−2.812	+0.017	+0.03	77.7	222 236 256 302	65 1188
2667	9.5	28 0.32	−0.5666	0.0209	+0.005	70 0 24.7	2.791	−0.081	0.05	77.0	223 235 267	70 928
2668	9.3	28 42.40	+0.2102	0.0125	−0.003	65 9 58.7	2.730	+0.032	0.03	77.1 77.3	222 234 254 267	65 1189
2669	7.5	28 49.09	−0.3069	0.0175	+0.001	68 35 42.6	2.720	−0.043	0.04	75.9	223 237	68 932
2670	8.6	29 9.21	−0.3629	0.0180	+0.002	68 54 34.8	2.691	−0.051	0.04	76.0	223 235 237	68 933
2671	8.2	17 29 28.05	+0.0982	+0.0132	−0.003	+ 65 59 4.1	−2.664	+0.015	+0.03	75.9	224 236	66 1024
2672	8.3	29 36.32	+0.2037	0.0122	−0.003	65 12 14.8	2.652	+0.031	0.03	75.4	142 234 241	65 1190
2673	8.0	30 13.27	−0.0553	0.0144	−0.002	67 1 44.6	2.598	−0.007	0.03	77.8	220 240 300	67 1017
2674	8.6	30 23.54	−0.3608	0.0173	+0.002	68 53 3.2	2.584	−0.051	0.04	77.5	191 237 302	68 934
2675	9.1	30 31.18	+0.2029	0.0120	−0.003	65 11 55.3	2.573	+0.030	0.03	77.0	227 234 267	65 1192
2676	9.0	17 30 55.02	+0.1719	+0.0121	−0.003	+ 65 25 39.2	−2.538	+0.026	+0.03	76.0	224 238	65 1193
2677	7.7	31 14.34	−0.3541	0.0169	+0.002	68 50 13.4	2.510	−0.050	0.04	77.5	191 239 302	68 935
2678	8.7	31 46.49	−0.4598	0.0177	+0.004	69 24 40.2	2.464	−0.065	0.04	79.1	189 302 304	69 923
2679	9.4	31 46.73	+0.1571	0.0120	−0.003	65 31 38.7	2.463	+0.024	0.03	77.9	251 252 254 267	65 1195
2680	9.3	31 47.80	+0.1119	0.0123	−0.003	65 51 28.5	2.462	+0.017	0.03	76.0	227 238	65 1194
2681	9.0	17 31 51.73	−0.0610	+0.0138	−0.001	+ 67 2 51.8	−2.456	−0.008	+0.03	76.0	224 240	67 1018
2682	8.3	32 14.93	−0.3186	0.0160	+0.002	68 37 29.7	2.422	−0.045	0.04	76.0	226 242	68 937
2683	9.2	32 16.70	−0.4396	0.0172	+0.003	69 17 51.5	2.420	−0.063	0.04	77.8 78.3	223 239 304	69 924
2684	6.9	32 20.81	−0.5130	0.0180	+0.005	69 41 9.5	2.414	−0.073	0.05	77.5	191 237 304	69 925
2685	**5.3**	**32 27.99**	**−0.2487**	**0.0153**	**+0.001**	**68 12 52.1**	**2.404**	**−0.035**	**0.04**		**Fund. Cat. [4]**	**68 938**
2686	7.7	17 32 52.48	−0.0651	+0.0135	−0.001	+ 67 3 48.8	−2.368	−0.008	+0.03	76.0	224 240	67 1019
2687	9.1	32 59.68	+0.2400	0.0110	−0.003	64 53 3.2	2.358	+0.036	0.03	77.0	190 251 252 267	64 1206
2688	9.4	33 1.97	−0.4745	0.0172	+0.004	69 28 37.2	2.354	−0.068	0.04	76.5 77.0	189 252 267	69 926
2689	8.7	33 28.48	−0.1159	0.0137	−0.001	67 23 9.4	2.316	−0.016	0.03	76.0	223 242	67 1020
2690	7.0	33 29.53	−0.0997	0.0135	−0.001	67 16 56.4	2.314	−0.013	0.03	76.0	227 243	67 1021
2691	9.1	17 33 59.57	+0.2285	+0.0107	−0.003	+ 64 57 43.0	−2.271	+0.034	+0.03	75.5	190 238	64 1207
2692	7.9	34 1.81	−0.0029	0.0125	−0.002	66 38 13.2	2.268	+0.001	0.03	76.0	228 242	66 1034
2693	9.1	34 5.42	−0.0934	0.0132	−0.001	67 14 8.1	2.262	−0.013	0.03	78.0 78.2	5 Beob. [5]	67 1022
2694	8.6	34 7.10	+0.1788	0.0111	−0.003	65 20 20.0	2.260	+0.027	0.03	77.8	228 241 302	65 1196
2695	9.0	34 30.02	−0.1774	0.0138	0.000	67 45 41.4	2.227	−0.025	0.03	78.4	254 267 302 R6	67 1023
2696	9.1	17 34 44.57	−0.5536	+0.0171	+0.006	+ 69 52 21.1	−2.206	−0.079	+0.04	75.4	189 237	69 928
2697	8.8	34 46.77	−0.3632	0.0153	+0.003	68 51 11.3	2.202	−0.052	0.04	76.0	223 239	68 939
2698	8.7	34 48.08	−0.0583	0.0127	−0.001	66 59 57.8	2.200	−0.007	0.03	76.0	228 242	67 1025
2699	7.4	34 58.75	−0.2498	0.0142	+0.001	68 11 46.6	2.185	−0.035	0.03	76.0	227 240	68 940
2700	9.0	35 23.86	+0.0529	0.0116	−0.002	66 14 18.2	2.149	+0.009	0.03	77.0	242 255	66 1035

[1] E.B. −0s.0934 0s.000 (BB VII) [2] Z. 189 220 237 264 265 [3] Z. 263 α ausgeschlossen [4] E.B. −0s.0070 +0″.125
[5] Z. 227 252 253 267 304

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
2701	9.3	$17^h 35^m 31^s.10$	−0s.1833	+0s.0134	0s.000	+ 67°47′ 17″.9	−2″.138	−0s.026	+0s.03	77.8	252 253 254 267	67° 1026
2702	8.8	35 51.30	−0.0348	0.0121	−0.001	66 49 59.0	2.109	−0.004	0.03	76.0	226 241	66 1036
2703	7.5	35 56.52	−0.3701	0.0148	+0.003	68 52 52.6	2.101	−0.053	0.04	76.0	224 240	68 941
2704	8.6	36 24.90	−0.5244	0.0159	+0.005	69 42 29.0	2.060	−0.075	0.04	75.5	191 239	69 929
2705	6	36 26.55	−0.4603	0.0153	+0.004	69 22 12.8	2.058	−0.066	0.04	76.0	223 243	69 930
2706	8.8	17 36 33.10	−0.3218	+0.0141	+0.002	+ 68 36 9.1	−2.048	−0.046	+0.03	77.1 77.8	228 242 302	68 942
2707	9.4	36 37.17	−0.5162	0.0157	+0.005	69 39 49.5	2.042	−0.074	0.04	77.8	223 239 304	69 931
2708	8.9	36 40.05	−0.3708	0.0144	+0.003	68 52 44.4	2.038	−0.053	0.04	77.2 77.0	5 Beob. [1]	68 944
2709	6.9	37 8.31	−0.3153	0.0138	+0.002	68 33 35.4	1.997	−0.045	0.03	76.0	227 242	68 945
2710	8.9	37 9.06	−0.2969	0.0136	+0.002	68 27 8.9	1.996	−0.042	0.03	77.7 [2]	227 240 255 302	68 946
2711	8.6[3]	17 37 14.80	−0.0909	+0.0120	0.000	+ 67 11 20.3	−1.988	−0.012	+0.03	77.0	241 254	67 1027
2712	7.9	37 17.95	−0.2966	0.0135	+0.002	68 27 0.1	1.983	−0.042	0.03	76.2	224 226 240 255	68 947
2713	8.9	37 29.19	−0.0475	0.0116	−0.001	66 54 9.5	1.967	−0.006	0.03	76.0	228 238	66 1037
2714	8.5	37 29.63	−0.2423	0.0130	+0.002	68 7 43.1	1.966	−0.034	0.03	78.1 78.2	227 241 265 304	68 948
2715	**5.0**	37 41.11	**−0.3610**	**0.0139**	**+0.003**	**68 48 55.8**	**1.950**	**−0.052**	**0.03**		**Fund. Cat. [4]**	**68 949**
2716	6.0	17 37 44.17	−0.5148	+0.0151	+0.005	+ 69 38 50.2	−1.945	−0.074	+0.04	75.5	191 239	69 933
2717	7.9	38 9.41	+0.2298	0.0095	−0.003	64 54 36.2[5]	1.908	+0.034	0.02	76.3 77.0	190 238α 265	64 1212
2718	9.0	39 23.22	−0.3918	0.0133	+0.004	68 58 26.0	1.801	−0.056	0.03	76.0	223 239	69 936
2719	9.2	39 25.00	−0.2712	0.0124	+0.002	68 17 3.9	1.799	−0.039	0.03	76.7 77.1	226 242 265	68 951
2720	7.9	39 29.36	+0.2088	0.0092	−0.003	65 3 34.6	1.792	+0.031	0.02	75.5	190 238	65 1203
2721	8.6	17 39 41.01	+0.1642	+0.0095	−0.002	+ 65 23 42.0	−1.775	+0.025	+0.02	76.1	190 241 255	65 1205
2722	8.5	39 48.80	−0.4443	0.0135	+0.004	69 15 27.2	1.764	−0.064	0.03	75.5	191 240	69 938
2723	8.4	40 47.49	+0.1789	0.0090	−0.002	65 16 33.1	1.679	+0.027	0.02	77.4	190 238 255 302	65 1206
2724	6.7	41 9.00	−0.4362	0.0128	+0.004	69 12 16.5	1.648	−0.063	0.03	75.5	191 239	69 939
2725	8.5	41 24.99	+0.0821	0.0094	−0.002	65 58 47.0	1.624	+0.013	0.02	75.5	190 238	65 1208
2726	6.3	17 41 35.11	−0.0992	+0.0104	0.000	+ 67 12 28.1	−1.610	−0.014	+0.02	75.5	192 240	67 1031
2727	8.8	42 39.86	−0.1526	0.0103	+0.001	67 32 25.4	1.515	−0.022	0.02	76.1	226 241 242	67 1032
2728	8.9	42 48.00	−0.0376	0.0096	−0.001	66 47 42.4	1.504	−0.005	0.02	76.0	226 238	66 1041
2729	9.0	42 56.31	−0.3909	0.0116	+0.004	68 56 38.2	1.492	−0.056	0.03	77.1	192 251 252 267	68 953
2730	8.4	43 20.31	−0.4350	0.0117	+0.005	69 11 1.9	1.457	−0.063	0.03	75.5	191 243	69 942
2731	8.7	17 44 32.74	−0.1949	+0.0098	+0.001	+ 67 47 26.6	−1.351	−0.028	+0.02	75.5	192 242	67 1033
2732	7.6	44 49.39	−0.4253	0.0109	+0.005	69 7 21.2	1.327	−0.061	0.03	77.5	191 243 304	69 946
2733	8.4	44 54.44	+0.0026	0.0086	−0.001	66 30 38.0	1.320	+0.001	0.02	76.0	226 238	66 1047
2734	7.9	45 13.81	−0.1402	0.0092	+0.001	67 26 46.2	1.291	−0.020	0.02	75.5	192 242	67 1035
2735	9.1	45 56.51	−0.2507	0.0094	+0.002	68 7 13.8	1.229	−0.036	0.02	77.5	191 243 305	68 958
2736	9.1	17 46 2.73	+0.1431	+0.0076	−0.002	+ 65 30 24.1	−1.220	+0.021	+0.02	77.7	142 238 267 304	65 1214
2737	7.8	46 30.37	−0.1770	0.0088	+0.001	67 40 9.9	1.180	−0.025	0.02	75.5	192 242	67 1036
2738	8.8	46 30.52	−0.0061	0.0081	0.000	66 33 37.5	1.180	0.000	0.02	76.0	226 242	66 1049
2739	9.3	46 33.33	+0.0437	0.0078	−0.001	66 13 1.4	1.176	+0.007	0.02	77.8	226 238 252 304	66 1050
2740	8.7	48 0.15	+0.0580	0.0073	−0.001	66 6 34.4	1.049	+0.009	0.02	75.8	142 238 257	66 1051
2741	8.7	17 48 20.55	−0.5541	+0.0097	+0.008	+ 69 47 10.5	−1.020	−0.080	+0.03	75.5	191 239	69 947
2742	9.2	48 40.86	−0.1199	0.0077	+0.001	67 17 59.5	0.990	−0.017	0.02	76.1	190 240 255	67 1037
2743	9.0	49 25.91	−0.4333	0.0086	+0.005	69 8 38.7	0.924	−0.063	0.02	78.0	191 239 265 304	69 948
2744	8.2	49 38.39	−0.2966	0.0080	+0.003	68 22 27.4	0.906	−0.043	0.02	76.2	192 241 256	68 961
2745	9.2	50 8.04	−0.1808	0.0074	+0.002	67 40 36.2	0.863	−0.026	0.02	75.5	190 241	67 1038
2746	7.2	17 50 12.25	−0.3568	+0.0080	+0.004	+ 68 43 3.4	−0.857	−0.052	+0.02	75.5	192 241	68 963
2747	8.8	51 8.52	−0.4441	0.0078	+0.007	69 11 49.5	0.775	−0.064	0.02	75.5	191 239	69 951
2748	8.4	51 18.00	+0.0956	0.0060	−0.001	65 49 41.6	0.761	+0.014	0.01	75.0	142 238	65 1218
2749	9.3	52 40.65	+0.0365	0.0057	0.000	66 14 30.6	0.641	+0.006	0.01	75.5	190 238	66 1055
2750	9.5	52 53.0	−0.0806	0.0060	+0.001	67 1 49	0.623	−0.012	0.02	77.2	253 256α	— —

[1] Z. 224 253 254 265 R 6 [2] E.B. −0s.0679 −1″.213 (BB VII) [3] Einfach [4] E.B. +0s.0027 +0″.308
[5] Z. 238 δ ausgeschlossen

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
2751	7.5	17h 52m 54.s62	+0.s0076	+0.s0057	0.s000	+ 66° 26′ 27.″5	−0.″620	+0.″001	+0.″01	75.0	142 238	66° 1057
2752	9.5	52 55.43	−0.0797	0.0060	+0.001	67 1 29.0	−0.619	−0.011	0.02	78.8 79.1	252 253 267 304	67 1039
2753	7.7	54 12.69	+0.2045	0.0049	−0.002	65 0 44.1	−0.506	+0.030	0.01	75.0	142 238	65 1220
2754	8.8	54 50.42	−0.1969	0.0055	+0.002	67 45 45.4	−0.451	−0.029	0.01	78.5	190 240 267 304	67 1040
2755	9.0	55 23.45	−0.4217	0.0056	+0.006	69 3 52.8	−0.403	−0.061	0.01	75.5	191 239	69 954
2756	9.2	17 55 30.22	−0.1534	+0.0051	+0.002	+ 67 29 28.1	−0.393	−0.022	+0.01	76.0	226 241	67 1041
2757	8.2	55 48.04	−0.4534	0.0055	+0.006	69 14 10.7	−0.367	−0.066	0.01	77.0	191 227 239 302	69 956
2758	8.1	55 57.61	−0.3240	0.0052	+0.004	68 30 56.6	−0.353	−0.047	0.01	75.5	192 240	68 965
2759	8.8	56 8.71	−0.0679	0.0047	+0.001	66 56 26.3	−0.337	−0.010	0.01	75.8	142 238 255	66 1060
2760	7.0	56 17.12	−0.5278	0.0054	+0.008	69 37 44.8	−0.325	−0.077	0.01	75.5	191 227 239	69 958
2761	8.8	17 56 46.80	+0.0937	+0.0042	−0.001	+ 65 49 44.3	−0.282	+0.014	+0.01	75.0	142 238	65 1229
2762	8.6	57 14.28	−0.1729	0.0044	+0.002	67 36 38.0	−0.242	−0.025	0.01	76.0	226 241	67 1043
2763	8.8	57 40.03	+0.0242	0.0040	0.000	66 19 3.8	−0.204	+0.004	0.01	77.5	5 Beob. [1]	66 1063
2764	9.1	57 49.53	+0.0066	0.0040	0.000	66 26 18.5	−0.190	+0.001	0.01	77.8	226 241 304	66 1064
2765	8.3	57 50.55	−0.3794	0.0044	+0.005	68 49 39.0	−0.189	−0.055	0.01	75.5	192 240	68 967
2766	8.9	17 57 59.14	−0.2413	+0.0042	+0.003	+ 68 1 40.1	−0.176	−0.035	+0.01	75.5	192 242	68 968
2767	8.6	58 6.03	−0.6189	0.0045	+0.010	70 5 23.1	−0.166	−0.090	0.01	76.1	191 239 255	70 967
2768	9.4	58 26.24	−0.2443	0.0040	+0.003	68 2 43.4	−0.137	−0.036	0.01	76.0	227 242	68 969
2769	8.9	59 19.79	−0.2033	0.0036	+0.002	67 47 48.5	−0.059	−0.030	0.01	76.2	142 228 241 267	67 1044
2770	9.1	59 29.48	−0.5184	0.0037	+0.007	69 34 38.9	−0.045	−0.076	0.01	77.5	191 240 302	69 961
2771	9.4	18 0 11.92	−0.6250	+0.0034	+0.010	+ 70 7 10.2	+0.017	−0.091	+0.01	79.8	239 304 305	70 969
2772	8.8	0 16.54	−0.3826	0.0032	+0.005	68 50 41.7	+0.024	−0.056	0.01	75.5	190 243	68 970
2773	9.1	0 30.09	−0.4699	0.0032	+0.007	69 19 17.9	+0.044	−0.068	0.01	75.5	191 240	69 962
2774	8.2	0 35.76	+0.0841	0.0030	−0.001	65 53 43.0	+0.052	+0.012	0.01	77.2	142 238 304	65 1232
2775	9.1	0 42.79	−0.0888	0.0030	+0.001	67 4 27.2	+0.063	−0.013	0.01	78.7	226 241 302 305	67 1045
2776	7.1[2]	18 1 13.40	+0.0774	+0.0028	−0.001	+ 65 56 37.2	+0.107	+0.011	+0.01	76.7	142 228 238 302	65 1233
2777	9.2	1 26.97	−0.4520	0.0027	+0.006	69 13 33.3	+0.127	−0.066	0.01	77.3	227 251 252 267	69 963
2778	9.4	1 30.01	−0.6130	0.0026	+0.010	70 3 37.2	+0.131	−0.089	0.01	76.0	227 239	70 971
2779	7.7	1 42.29	−0.3358	0.0026	+0.004	68 34 52.0	+0.149	−0.049	0.01	75.5	191 243	68 972
2780	9.1	2 8.60	−0.6226	0.0023	+0.010	70 6 31.6	+0.188	−0.091	0.01	75.5	192 227 239	70 972
2781	9.0	18 2 30.85	−0.5758	+0.0021	+0.009	+ 69 52 26.2	+0.220	−0.084	+0.01	77.8	227 240 303	69 964
2782	7.2	3 3.86	+0.2243	0.0022	−0.002	64 51 17.1	+0.268	+0.033	0.00	77.2	142 241 305	64 1242
2783	8.8	3 12.16	+0.0223	0.0021	0.000	66 19 53.8	+0.280	+0.003	0.00	78.2	226 242 267 304	66 1074
2784	9.2	3 47.04	−0.0273	0.0019	0.000	66 40 11.3	+0.331	−0.004	0.00	75.5	191 242	66 1075
2785	8.4	3 55.86	+0.1448	0.0019	−0.001	65 27 24.9	+0.344	+0.021	0.00	75.8	190 238 243	65 1236
2786	9.1	18 4 1.10	−0.5305	+0.0013	+0.008	+ 69 38 36.5	+0.352	−0.078	0.00	75.0	143 239	69 965
2787	8.9	4 6.17	+0.1105	0.0018	−0.001	65 42 31.9	+0.359	+0.016	0.00	75.5	190 241	65 1237
2788	8.6	4 33.83	−0.1403	0.0015	+0.002	67 24 30.6	+0.399	−0.021	0.00	76.1	191 240α 243 251	67 1047
2789	7.0	5 1.05	+0.1108	0.0015	−0.001	65 42 29.6	+0.439	+0.016	0.00	75.5	190 228 241	65 1240
2790	7.3	5 8.44	+0.1978	0.0016	−0.002	65 3 40.5	+0.450	+0.029	0.00	77.1	226 238 267	65 1241
2791	6.7	18 5 19.06	−0.0657	+0.0012	+0.001	+ 66 55 43.5	+0.465	−0.010	0.00	76.0	226 242	66 1077
2792	9.1	5 33.96	+0.0914	0.0013	−0.001	65 50 57.0	+0.487	+0.013	0.00	77.5	190 242 304	65 1242
2793	9.4	5 41.26	−0.4091	0.0006	+0.005	68 59 50.9	+0.498	−0.060	0.00	76.0	227 239	68 975
2794	9.2	5 47.27	−0.0940	0.0011	+0.001	67 6 52.2	+0.506	−0.014	0.00	75.8	191 241 243	67 1048
2795	9.0	6 17.14	+0.0995	0.0011	−0.001	65 47 34.5	+0.550	+0.014	0.00	76.5	142 242 267	65 1243
2796	8.6	18 6 32.12	−0.1235	+0.0007	+0.001	+ 67 18 21.6	+0.572	−0.018	0.00	77.5	192 240 303	67 1049
2797	7.4	6 49.90	+0.0894	0.0009	−0.001	65 52 1.0	+0.598	+0.013	0.00	75.0	142 242	65 1245
2798	9.1	7 11.86	−0.2063	0.0003	+0.002	67 49 27.4	+0.630	−0.030	0.00	75.0	143 239	67 1050
2799	9.3	7 16.56	−0.0316	0.0006	0.000	66 42 24.2	+0.637	−0.005	0.00	77.5	228 267	66 1081
2800	9.0	7 20.15	−0.0295	0.0006	0.000	66 41 36.3	+0.642	−0.004	0.00	76.0	226 227 238 241	66 1082

[1] Z. 190 228 238 267 304 [2] Com. 9m 4s 200°

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2801	7.3	18h 8m 4.74	−0.1363	+0.0001	+0.001	+ 67°23′ 29.7	+0.707	−0.020	0.00	77.5	192 243 304	67° 1051
2802	8.1	8 51.64	−0.3009	−0.0006	+0.004	68 23 36.5	0.775	−0.044	0.00	75.0	143 240	68 977
2803	8.6	9 8.50	−0.5457	−0.0014	+0.008	69 44 1.4	0.800	−0.080	0.00	77.2	143 239 303	69 967
2804	8.5	9 10.63	+0.1679	+0.0003	−0.002	65 17 57.1	0.803	+0.024	0.00	77.8	226 238 303	65 1246
2805	8.5	9 24.20	−0.2274	−0.0007	+0.003	67 57 36.2	0.823	−0.033	0.00	77.8	227 243 304	67 1052
2806	7.5	18 9 31.31	−0.3284	−0.0010	+0.004	+ 68 33 16.6	+0.833	−0.048	0.00	75.5	192 240	68 978
2807	8.3	10 7.11	−0.1454	−0.0008	+0.001	67 27 23.1	0.885	−0.021	0.00	76.0	228 242	67 1053
2808	7.0	10 12.84	+0.1619	0.0000	−0.002	65 20 55.5	0.893	+0.023	0.00	76.0	226 238	65 1247
2809	8.1	10 24.93	−0.1930	−0.0010	+0.002	67 45 15.8	0.911	−0.029	0.00	76.0	228 243	67 1054
2810	8.4	10 49.22	−0.3688	−0.0017	+0.005	68 47 19.5	0.946	−0.054	0.00	75.5	192 240	68 980
2811	8.7	18 11 2.10	−0.5267	−0.0024	+0.007	+ 69 38 31.9	+0.965	−0.077	−0.01	75.0	143 239	69 968
2812	9.4	11 4.45	+0.0603	−0.0006	−0.001	66 5 22.0	0.969	+0.008	0.00	76.1	227 241 243	66 1086
2813	8.8	11 4.95	−0.0974	−0.0010	+0.001	67 9 15.6	0.969	−0.015	0.00	78.5	192 240 303 304	67 1055
2814	9.0	11 29.95	−0.5556	−0.0027	+0.007	69 47 36.4	1.006	−0.081	−0.01	75.0	143 239	69 969
2815	7.2	11 42.57	+0.0593	−0.0008	−0.001	66 5 56.4	1.024	+0.008	0.00	78.8	227 241 304 306	66 1087
2816	8.3	18 12 4.76	+0.1334	−0.0007	−0.001	+ 65 34 4.0	+1.056	+0.019	0.00	76.0	226 238	65 1248
2817	...[1]	12 10.63	−0.4446	−0.0026	+0.006	69 12 44.3	1.065	−0.065	−0.01	75.5	191 239	69 970
2818	8.2	12 14.53	+0.0812	−0.0009	−0.001	65 56 48.4	1.071	+0.011	0.00	76.0	226 242	65 1250
2819	9.0	12 37.78	+0.0622	−0.0011	−0.001	66 4 59.5	1.105	+0.009	0.00	76.0	227 241	66 1088
2820	8.9	13 14.02	−0.4649	−0.0033	+0.006	69 19 34.5	1.157	−0.068	−0.01	78.5	191 240 304 306	69 971
2821	9.0	18 13 14.50	+0.1729	−0.0009	−0.002	+ 65 16 52.5	+1.158	+0.025	0.00	78.7 78.4	228 238 303 304	65 1251
2822	8.8	13 15.71	+0.1000	−0.0012	−0.001	65 49 1.1	1.160	+0.014	0.00	77.8	226 242 306	65 1252
2823	8.8	13 18.49	−0.5313	−0.0036	+0.007	69 40 34.1	1.164	−0.078	−0.01	75.5	191 239	69 972
2824	8.8	13 41.91	−0.2301	−0.0025	+0.003	67 59 41.7	1.198	−0.034	−0.01	75.5	192 241	67 1059
2825	7.6	13 47.43	+0.0133	−0.0016	0.000	66 25 47.9	1.206	+0.001	−0.01	76.0	227 238	66 1089
2826	8.6	18 14 17.50	−0.3322	−0.0032	+0.004	+ 68 35 50.9	+1.250	−0.049	−0.01	75.0	143 239	68 982
2827	6.0	16 0.65	−0.3503	−0.0041	+0.004	68 42 37.1	1.400	−0.052	−0.01	76.7[2]	145 191 251 304	68 984
2828	8.1[3]	16 2.43	+0.1532	−0.0019	−0.002	65 26 42.4	1.402	+0.022	0.00	76.0 76.2	142 240 253 255	65 1255
2829	7.9	16 9.39	−0.0696	−0.0029	0.000	66 59 59.1	1.413	−0.011	−0.01	74.6	146 226	66 1094
2830	6.7	17 42.68	−0.3452	−0.0049	+0.004	68 41 30.4	1.548	−0.051	−0.01	75.1[4]	145 191 251	68 989
2831	8.2	18 17 47.45	−0.5230	−0.0059	+0.007	+ 69 39 28.4	+1.555	−0.077	−0.01	75.5	191 239	69 973
2832	8.4	18 32.94	+0.0347	−0.0032	−0.001	66 18 47.4	1.621	+0.004	−0.01	76.0	226 240	66 1096
2833	9.0	18 37.03	+0.0598	−0.0031	−0.001	66 8 16.6	1.627	+0.008	−0.01	77.2	142 240 304	66 1097
2834	8.2	19 4.91	−0.5795	−0.0070	+0.008	69 57 20.9	1.668	−0.085	−0.02	73.6	143 145	69 974
2835	7	19 50.19	−0.0242	−0.0040	0.000	66 43 29.9	1.734	−0.004	−0.01	75.0	144 240	66 1100
2836	6.8	18 19 56.41	−0.1233	−0.0046	+0.001	+ 67 22 25.7	+1.743	−0.019	−0.01	77.8 77.1	226 239 303	67 1066
2837	7.8	19 56.54	+0.1818	−0.0030	−0.002	65 15 36.3	1.743	+0.026	−0.01	73.6	142 146	65 1262
2838	9.0	21 15.74	−0.1984	−0.0056	+0.002	67 51 11.0	1.858	−0.030	−0.01	77.2	144 239 303	67 1067
2839	9.2	21 42.48	−0.5848	−0.0085	+0.008	70 0 4.4	1.897	−0.086	−0.02	73.6	143 145	69 976
2840	7.8	22 2.27	−0.5856	−0.0087	+0.008	70 0 28.6	1.925	−0.086	−0.02	73.6	143 145	69 977
2841	8.8	18 22 24.85	−0.3667	−0.0072	+0.004	+ 68 50 52.2	+1.958	−0.054	−0.02	75.0	144 240	68 994
2842	9.5	24 5.34	−0.4853	−0.0090	+0.005	69 30 26.7	2.104	−0.071	−0.02	77.8 77.1	228 242 305	69 980
2843	7.5	24 18.19	+0.1981	−0.0042	−0.002	65 10 36.1	2.123	+0.028	−0.01	73.6	142 146	65 1267
2844	9.5	24 36.62	−0.6103	−0.0103	+0.008	70 9 9.4	2.149	−0.089	−0.02	75.6	143 239 253	70 995
2845	9.3	25 6.45	−0.4722	−0.0094	+0.005	69 26 50.3	2.193	−0.069	−0.02	77.8	144 240 304 305	69 981
2846	8.0	18 25 8.96	+0.1315	−0.0049	−0.002	+ 65 40 55.5	+2.196	+0.018	−0.01	73.6	142 146	65 1268
2847	8.3	25 30.12	+0.1900	−0.0046	−0.002	65 15 3.7	2.227	+0.027	−0.01	76.3	142 146 304	65 1270
2848	4.6	25 37.60	+0.1588	−0.0049	−0.002	65 29 10.4	2.238	+0.022	−0.01	74.2[5]	142 146 228	65 1271
2849	8.8	25 44.24	−0.5683	−0.0106	+0.007	69 57 5.4	2.247	−0.083	−0.03	76.2	143 145 303	69 982
2850	8.5	26 30.34	−0.5521	−0.0108	+0.006	69 52 33.9	2.314	−0.081	−0.03	73.3	65 143 239 R1	69 983

[1] Dupl. 8m8 & 8m9 med., 5″ 200° [2] E.B. +0.0024 −0.061 [3] Gelb [4] E.B. −0.0080 −0.097
[5] E.B. +0.0158 −0.043

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B.D.
2851	8.5	18h 27m 14.s05	−0.s0992	−0.s0073	0.s000	+ 67° 17′ 10.″9	+2.″377	−0.″015	−0.″02	76.8	143 227 238 303	67° 1071
2852	8.4	27 35.32	−0.0089	0.0067	−0.001	66 41 42.3	2.408	−0.002	0.02	74.0	64 146 240	66 1106
2853	8.4[1]	27 36.68	−0.5031	0.0110	+0.005	69 38 0.8	2.410	−0.074	0.03	73.4	65 145 239 R1	69 984
2854	8.6	27 53.07	−0.1695	0.0081	+0.001	67 44 14.3	2.434	−0.026	0.02	74.9	66 238 243	67 1074
2855	8.0	29 13.63	−0.3944	0.0107	+0.003	69 3 59.3	2.551	−0.058	0.03	73.1	65 145 227 R1	69 985
2856	7.9[2]	18 29 15.36	+0.2273	−0.0055	−0.003	+ 65 0 33.7	+2.553	+0.032	−0.01	73.6	64 146 228	64 1270
2857	8.2	30 6.03	−0.3056	0.0103	+0.002	68 34 31.9	2.626	−0.045	0.02	74.6	143 145 242	68 1001
2858	6.6	30 52.38	+0.1866	0.0063	−0.003	65 20 22.7	2.693	+0.026	0.02	73.4	64 66 146 243	65 1276
2859	9.3	30 57.46	−0.1637	0.0093	0.000	67 44 11.3	2.701	−0.025	0.02	77.2	144 239 303	67 1076
2860	8.4	30 59.54	+0.0923	0.0071	−0.002	66 1 57.3	2.704	+0.012	0.02	75.8	144 238 253	66 1108
2861	9.1	18 31 9.47	−0.0368	−0.0082	−0.001	+ 66 55 24.0	+2.718	−0.006	−0.02	77.2	144 240 305	66 1109
2862	9.0	31 23.92	−0.1526	0.0094	0.000	67 40 20.0	2.739	−0.023	0.02	76.0	226 238	67 1077
2863	8.7	31 32.93	+0.1965	0.0064	−0.003	65 16 25.9	2.752	+0.027	0.02	73.6	66 146 228	65 1277
2864	8.3	31 35.69	+0.0233	0.0079	−0.002	66 31 23.7	2.756	+0.002	0.02	76.8	142 227 240 304	66 1111
2865	6.7	32 38.83	−0.1512	0.0098	0.000	67 40 44.2	2.847	−0.023	0.02	74.9	144 192 238	67 1079
2866	7.9	18 33 7.54	−0.2885	−0.0115	+0.001	+ 68 30 43.8	+2.889	−0.043	−0.03	73.6	143 145	68 1003
2867	8.0	33 35.30	−0.5322	0.0144	+0.005	69 50 59.2	2.929	−0.078	0.03	72.3	65 145 R1	69 988
2868	8.8	33 46.78	−0.3547	0.0125	+0.002	68 53 55.0	2.945	−0.052	0.03	77.2	143 239 303	68 1004
2869	7.0	33 48.42	+0.0661	0.0082	−0.002	66 15 18.6	2.947	+0.008	0.02	72.7	64 146	66 1112
2870	8.7	34 3.48	+0.0950	0.0081	−0.002	66 3 13.3	2.969	+0.013	0.02	76.7	66 242 253 305	66 1113
2871	8.1	18 34 23.49	−0.3645	−0.0129	+0.002	+ 68 57 39.4	+2.998	−0.054	−0.03	77.2	143 243 303	68 1005
2872	9.0	35 12.89	−0.5909	0.0161	+0.005	70 10 0.5	3.069	−0.086	0.04	72.3	65 145 R1	70 1007
2873	8.8	35 28.37	−0.5861	0.0161	+0.005	70 8 45.8	3.092	−0.086	0.04	76.0	5 Beob. [3]	70 1008
2874	8.3	35 39.41	−0.2544	0.0123	+0.001	68 20 41.3	3.108	−0.038	0.03	75.0	143 243	68 1008
2875	9.0	35 40.61	+0.0270	0.0093	−0.002	66 33 9.2	3.109	+0.003	0.02	75.1	144 243	66 1116
2876	8.4	18 35 40.68	+0.2442	−0.0072	−0.003	+ 64 57 57.0	+3.109	+0.034	−0.02	75.6	64 146 305	64 1276
2877	8.9	35 42.94	+0.1509	0.0081	−0.003	65 40 18.7	3.113	+0.020	0.02	74.1	66 242	65 1282
2878	6.0	35 49.62	+0.1908	0.0078	−0.003	65 22 36.8	3.122	+0.026	0.02		Fund. Cat. [4]	65 1283
2879	6.9	36 23.63	−0.0088	0.0099	−0.002	66 48 22.6	3.171	−0.003	0.02	74.1	64 242	66 1117
2880	8.5	36 32.50	−0.1626	0.0116	−0.001	67 48 7.9	3.184	−0.025	0.03	76.6	66 242 305	67 1083
2881	8.7	18 36 55.32	−0.0424	−0.0104	−0.002	+ 67 2 18.3	+3.217	−0.007	−0.02	74.8	143 145 253	67 1084
2882	7.0	37 15.12	−0.1432	0.0117	−0.001	67 41 27.2	3.245	−0.022	0.03	73.6	66 146 228	67 1085
2883	8.7	37 51.87	−0.5539	0.0170	+0.004	70 0 53.8	3.298	−0.081	0.04	73.3	65 143 239 R1	69 994
2884	9.2	37 58.77	−0.0545	0.0110	−0.002	67 8 0.1	3.308	−0.009	0.03	73.9 74.4	64 144 240	67 1086
2885	7.4[5]	38 31.57	−0.0336	0.0109	−0.002	67 0 14.5	3.355	−0.006	0.03	73.6	64 146 228	67 1087
2886	9.2	18 39 22.96	−0.0913	−0.0119	−0.002	+ 67 23 36.7	+3.429	−0.015	−0.03	74.0	64 239	67 1088
2887	8.6	39 25.83	−0.3204	0.0148	+0.001	68 46 52.0	3.433	−0.047	0.04	72.7	66 148	68 1014
2888	8.6	39 26.26	−0.3426	0.0150	+0.001	68 54 25.4	3.434	−0.051	0.04	74.6	65 145 305 R1	68 1015
2889	8.8	39 27.38	+0.1388	0.0094	−0.003	65 49 7.4	3.436	+0.018	0.02	72.7	17 144 146	65 1285
2890	8.5[6]	41 15.84	+0.2251	0.0090	−0.004	65 12 12.9	3.591	+0.031	0.02	73.8	17 101 228 242	65 1286
2891	9.2	18 41 29.56	+0.2289	−0.0091	−0.004	+ 65 10 42.4	+3.611	+0.031	−0.02	73.6	17 144 146 242	65 1287
2892	8.7	42 2.30	−0.4292	0.0175	+0.001	69 25 22.7	3.658	−0.063	0.04	73.0	65 143 145	69 997
2893	8.9	42 10.70	−0.3413	0.0163	0.000	68 56 27.0	3.670	−0.050	0.04	72.7	66 148	68 1017
2894	8.4	42 37.04	−0.4229	0.0177	+0.001	69 23 51.3	3.708	−0.062	0.04	73.0	65 143 145	69 998
2895	9.3	43 0.65	+0.0601	0.0115	−0.003	66 26 24.0	3.742	+0.007	0.03	72.7	64 146	66 1125
2896	8.8	18 43 35.63	+0.0551	−0.0117	−0.003	+ 66 29 5.9	+3.792	+0.006	−0.03	74.0	64 146 242	66 1126
2897	8.9	43 38.99	+0.1638	0.0105	−0.004	65 42 24.9	3.796	+0.022	0.03	74.7	17 101 144 307	65 1289
2898	8.0	43 47.52	−0.1734	0.0147	−0.002	67 58 50.1	3.809	−0.026	0.03	73.6	66 148 228	67 1094
2899	7.3	44 1.76	−0.3858	0.0179	+0.001	69 13 4.9	3.829	−0.057	0.04	75.1	65 143 145 303	69 999
2900	9.2	44 15.97	−0.4937	0.0196	+0.002	69 47 55.5	3.849	−0.072	0.05	72.6	65 145	69 1000

[1] Var.? [2] Maj. [3] Z. 65 145 305 306 R1 [4] E.B. −0.″0030 +0.″027 [5] Einfach [6] Var.?

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2901	7.9	$18^h\,45^m\,45^s.73$	+0^s.1478	−0^s.0113	−0^s.004	+ 65°51′ 50″.0	+3″.978	+0″.019	−0″.03	72.3	17 101 144	65° 1293
2902	9.1	46 20.63	+0.0568	0.0127	−0.004	66 31 22.5	4.028	+0.006	0.03	72.4	64 66 148	66 1128
2903	7.5	46 22.90	−0.2676	0.0172	−0.001	68 35 18.0	4.031	−0.040	0.04	75.0	143 239	68 1019
2904	9.3	46 46.92	+0.0342	0.0131	−0.003	66 41 15.1	4.065	+0.003	0.03	75.3	17 146 305	66 1129
2905	9.1	46 55.08	−0.3671	0.0190	0.000	69 9 46.7	4.077	−0.054	0.04	72.6	65 145	69 1002
2906	6.7	18 47 0.37	−0.1082	−0.0152	−0.003	+ 67 37 47.3	+4.084	−0.017	−0.04	76.6	66 240 303	67 1096
2907	8.5	47 14.92	+0.0385	0.0132	−0.004	66 40 0.4	4.105	+0.004	0.03	74.3	64 146 228 242	66 1130
2908	8.6	47 36.80[1]	+0.0351	0.0134	−0.004	66 41 49.0	4.136	+0.003	0.03	77.6 75.3	17δ 146 305	66 1131
2909	8.7	47 51.51	+0.0782	0.0129	−0.004	66 24 9.8	4.157	+0.009	0.03	74.1	66 243	66 1132
2910	8.7	48 27.55	−0.1651	0.0166	−0.002	68 0 43.1	4.209	−0.025	0.04	75.0	143 243	67 1097
2911	7.8	18 49 2.00	+0.2265	−0.0114	−0.005	+ 65 20 25.5	+4.258	+0.030	−0.03	74.1	64 243	65 1300
2912	8.7	49 2.40	−0.3772	0.0202	−0.001	69 15 22.3	4.258	−0.056	0.05	72.6	65 145	69 1003
2913	8.6	49 22.90	−0.2344	0.0180	−0.002	68 26 50.2	4.288	−0.035	0.04	77.2	143 243 305	68 1026
2914	9.0	49 37.62	+0.0260	0.0142	−0.004	66 47 52.6	4.309	+0.002	0.03	74.1	66 243	66 1134
2915	8.7	49 56.35	−0.0116	0.0149	−0.004	67 3 27.7	4.335	−0.003	0.03	73.6	143 145	67 1098
2916	9.0	18 50 9.48	+0.1190	−0.0131	−0.004	+ 66 9 32.9	+4.354	+0.015	−0.03	75.1	144 244	66 1135
2917	9.4	50 22.23	+0.0287	0.0145	−0.004	66 47 41.0	4.372	+0.002	0.03	76.6 77.6	66 243 305	66 1136
2918	8.8[2]	50 50.84	+0.2661	0.0114	−0.005	65 4 23.7	4.413	+0.036	0.03	72.2	17 146	65 1301
2919	8.0	51 17.56	+0.0383	0.0147	−0.004	66 44 53.2	4.451	+0.004	0.03	72.7	66 149	66 1138
2920	9.2	51 48.06	+0.1476	0.0133	−0.005	65 59 13.4	4.494	+0.019	0.03	72.7	64 146	65 1302
2921	8.5	18 52 4.93	−0.5405	−0.0246	0.000	+ 70 10 23.6	+4.518	−0.079	−0.06	73.0	65 143 145	70 1032
2922	9.2	52 39.72	+0.0264	0.0153	−0.004	66 51 28.0	4.568	+0.002	0.04	72.7	66 148	66 1141
2923	9.2	52 42.76	+0.2750	0.0118	−0.005	65 2 38.6	4.572	+0.037	0.03	72.7	64 146	65 1304
2924	7.3	53 58.66	+0.0158	0.0160	−0.004	66 57 29.0	4.680	0.000	0.04	72.2	17 146	66 1142
2925	8.2	54 0.98	−0.4345	0.0237	−0.001	69 39 35.5	4.683	−0.064	0.06	77.1	65 145 305 307	69 1009
2926	8.1	18 55 15.23	−0.0880	−0.0181	−0.004	+ 67 39 57.6	+4.788	−0.014	−0.04	76.6	64 244 305	67 1101
2927	8.3	55 18.23	−0.1607	0.0194	−0.004	68 7 17.3	4.792	−0.025	0.05	75.1	65 143 145 307	68 1033
2928	8.7	55 37.57	−0.0171	0.0171	−0.005	67 12 48.8	4.820	−0.004	0.04	74.1	66 244	67 1102
2929	9.1	55 42.35	−0.0753	0.0181	−0.004	67 35 42.3	4.827	−0.013	0.04	74.1	66 244	67 1103
2930	5.2	55 52.35	+0.2785	0.0127	−0.005	65 5 23.7	4.841	+0.037	0.03	72.2	17 146	65 1309
2931	8.2	18 57 12.03	+0.3066	−0.0126	−0.006	+ 64 53 58.6	+4.953	+0.041	−0.03	75.2 75.6	64 146α 242 306	64 1311
2932	7.5	57 12.53	−0.1538	0.0201	−0.004	68 7 15.1	4.954	−0.024	0.05	77.1	65 145 305 307	68 1035
2933	8.7	57 57.50	−0.1969	0.0211	−0.004	68 23 56.3	5.018	−0.030	0.05	75.1	143 244	68 1036
2934	9.2	58 11.04	+0.0314	0.0172	−0.005	66 56 49.0	5.037	+0.002	0.04	72.7	64 146	[66 1146]
2935	8.9	58 13.20	−0.3745	0.0246	−0.003	69 25 18.0	5.040	−0.055	0.06	75.7 76.1	65 145 307	69 1015
2936	7.8	18 58 19.66	−0.1843	−0.0210	−0.004	+ 68 19 52.8	+5.049	−0.028	−0.05	76.6	66 244 305	68 1037
2937	8.1	59 20.37	−0.2552	0.0228	−0.004	68 46 24.7	5.135	−0.038	0.05	77.0 77.6	143 145 305 307	68 1038
2938	8.6	59 33.80	+0.1287	0.0161	−0.006	66 18 3.5	5.154	+0.016	0.04	72.0	64 66 102	66 1149
2939	6.7	59 38.92	−0.3564	0.0250	−0.004	69 21 12.8	5.161	−0.052	0.06	73.7	65 103 244	69 1018
2940	9.1	19 0 38.27	+0.2783	0.0140	−0.006	65 12 33.0	5.244	+0.037	0.03	71.5	17 22 66 101	65 1314
2941	8.4	19 1 23.35	−0.2063	−0.0228	−0.005	+ 68 31 58.9	+5.308	−0.031	−0.05	72.2	19 64 102 148	68 1039
2942	8.7	1 52.46	−0.5026	0.0292	−0.003	70 10 42.9	5.349	−0.073	0.07	71.7	20 65 103	70 1044
2943	8.1	2 0.66	+0.2658	0.0146	−0.006	65 20 32.3	5.360	+0.035	0.04	71.5	17 22 66 101	65 1318
2944	7.1	2 56.23	+0.2620	0.0150	−0.006	65 23 45.1	5.438	+0.034	0.04	71.4	18 22 101	65 1319
2945	7.1	3 1.25	−0.1345	0.0221	−0.006	68 8 11.0	5.445	−0.021	0.05	72.9	20 143 145 148	68 1040
2946	8.4[3]	19 3 4.98	−0.3246	−0.0260	−0.005	+ 69 15 16.3	+5.451	−0.048	−0.06	73.0	21 65 103 244	69 1022
2947	7.7	3 36.59	+0.3131	0.0144	−0.006	65 0 51.8	5.495	+0.042	0.04	72.4	18 101 146	64 1322
2948	8.3	3 42.91	−0.2970	0.0257	−0.005	69 6 52.5	5.504	−0.044	0.06	73.2	21 65 145 244	69 1023
2949	8.0	3 43.18	+0.1522	0.0170	−0.007	66 14 14.6	5.504	+0.019	0.04	71.7	19 64 102	66 1154
2950	9.3	4 16.75	−0.2272	0.0245	−0.006	68 43 30.8	5.551	−0.034	0.06	72.9	20 143 145 148	68 1041

[1] Z. 17 α ausgeschlossen [2] Dupl. 1″..2″ [3] Dupl.

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
2951	8.9	19h 5m18.57	+0.2692	−0.0155	−0.007	+ 65°24′ 19.5	+5.638	+0.035	−0.04	71.7	18 66 102	65° 1321
2952	9.3	5 27.37	+0.2903	0.0152	0.007	65 14 42.8	5.650	+0.038	0.04	71.7	19 64 101	65 1322
2953	8.5	6 28.62	+0.1663	0.0177	0.007	66 12 34.8	5.736	+0.021	0.04	74.9	64 102 143 307	66 1160
2954	9.2	6 28.65	+0.1789	0.0175	0.007	66 7 3.4	5.736	+0.023	0.04	72.4 74.7	19 101 146 305δ	66 1159
2955	8.4	6 42.76	+0.1810	0.0175	0.007	66 6 30.1	5.755	+0.023	0.04	73.7	5 Beob. [1]	66 1161
2956	8.7	19 6 43.40	+0.0505	−0.0199	−0.007	+ 67 1 54.2	+5.756	+0.005	−0.05	73.4	20 103 244	67 1114
2957	8.8	7 11.46	−0.0924	0.0230	0.007	67 58 46.0	5.796	−0.015	0.05	74.4	22 65 145 307	67 1116
2958	8.4	7 24.77	+0.1503	0.0183	0.007	66 21 3.2	5.814	+0.019	0.04	74.0	19 64 102 269	66 1162
2959	8.2	7 29.83	+0.0402	0.0204	0.007	67 7 21.7	5.821	+0.003	0.05	72.4	20 103 143	67 1117
2960	9.0	7 56.80	+0.0298	0.0208	0.008	67 12 17.7	5.859	+0.002	0.05	72.4	22 66 145 148	67 1118
2961	9.2	19 8 20.31	+0.1918	−0.0178	−0.007	+ 66 4 29.4	+5.892	+0.024	−0.04	72.2	17 146	66 1166
2962	8.8	8 34.01	+0.3338	0.0153	0.007	64 59 23.3	5.911	+0.044	0.04	71.7	18 101	64 1331
2963	7.3	9 6.31	+0.0769	0.0203	0.008	66 54 58.8	5.956	+0.008	0.05	72.7	20 143 146	66 1169
2964	8.7	9 9.48	−0.3551	0.0297	0.007	69 34 18.7	5.960	−0.052	0.07	73.0	21 65 103 244	69 1029
2965	6.3	9 17.65	+0.2364	0.0173	0.008	65 46 9.7	5.972	+0.030	0.04	76.7 [2]	19 146 268 306	65 1326
2966	8.3	19 9 18.38	+0.3130	−0.0159	−0.007	+ 65 10 36.6	+5.973	+0.041	−0.04	71.7	18 64 102	65 1325
2967	8.1	9 36.11	+0.2212	0.0177	0.008	65 53 34.8	5.997	+0.028	0.04	71.7	17 66 101	65 1327
2968	8.6	9 46.48	−0.2484	0.0275	0.008	68 59 17.3	6.012	−0.037	0.06	72.2	22 145	68 1045
2969	7.5	10 9.80	−0.2286	0.0272	0.008	68 53 1.6	6.044	−0.034	0.06	74.8	24 103 268	68 1046
2970	9.0	10 50.53	+0.0261	0.0219	0.008	67 18 37.9	6.101	+0.001	0.05	72.2	19 148	67 1127
2971	8.9	19 10 50.73	−0.0912	−0.0244	−0.008	+ 68 4 14.5	+6.101	−0.015	−0.06	76.8	20 148 268 307	68 1048
2972	8.0	11 4.76	+0.1013	0.0205	0.008	66 48 9.8	6.120	+0.011	0.05	71.7	18 102	66 1172
2973	8.3	11 49.70	−0.2767	0.0291	0.008	69 12 17.3	6.183	−0.041	0.07	75.4	21 103 244 305	69 1034
2974	9.0	11 56.37	+0.3261	0.0164	0.008	65 9 12.5	6.192	+0.043	0.04	71.7	17 101	65 1330
2975	8.6	11 57.86	−0.3565	0.0311	0.008	69 39 8.2	6.194	−0.052	0.07	75.1	22 148 268	69 1035
2976	8.5	19 12 16.31	−0.0378	−0.0238	−0.009	+ 67 46 14.7	+6.220	−0.008	−0.06	75.2	19 102 244 268	67 1128
2977	**3.0**	**12 31.29**	**+0.0137**	**0.0228**	**0.009**	**67 26 30.0**	**6.241**	**−0.001**	**0.05**		**Fund. Cat. [3]**	**67 1129**
2978	8.7	12 40.03	+0.0250	0.0226	0.009	67 22 12.2	6.253	+0.001	0.05	72.2	20 148	67 1130
2979	8.6	12 47.75	−0.3231	0.0307	0.009	69 29 27.4	6.263	−0.048	0.07	72.3	21 149	69 1036
2980	8.6	13 22.25	+0.2452	0.0184	0.008	65 49 30.4	6.311	+0.031	0.04	73.4	17 101 245	65 1332
2981	7.0	19 13 52.98	+0.1001	−0.0215	−0.009	+ 66 53 39.4	+6.354	+0.011	−0.05	72.2	20 148	66 1179
2982	7.3	14 1.36	+0.3471	0.0166	0.008	65 3 2.0	6.365	+0.045	0.04	71.7	18 102	65 1333
2983	8.0	14 9.56	+0.3117	0.0173	0.008	65 20 13.5	6.376	+0.040	0.04	76.7	19 146 268 307	65 1334
2984	9.0	14 23.82	−0.0151	0.0241	0.009	67 41 8.4	6.396	−0.005	0.06	75.9 75.6	21 103 244 268	67 1132
2985	9.3	14 26.83	−0.0145	0.0241	0.009	67 40 58.9	6.400	−0.005	0.06	73.4 73.5	22 103 244	67 1133
2986	8.5	19 14 57.55	+0.3688	−0.0165	−0.008	+ 64 54 20.4	+6.443	+0.048	−0.04	71.7	18 101	64 1337
2987	7.6	14 57.59	+0.2428	0.0189	0.009	65 53 36.2	6.443	+0.031	0.04	74.8	17 102 269	65 1335
2988	9.0	15 18.08	−0.3050	0.0314	0.010	69 27 34.1	6.471	−0.045	0.07	76.8	22 149 268 307	69 1038
2989	8.4	15 22.21	+0.2253	0.0194	0.009	66 2 15.6	6.477	+0.028	0.05	73.5 73.1	20 104α 146 245	66 1181
2990	8.4	15 33.32	+0.2119	0.0197	0.009	66 8 36.6	6.492	+0.026	0.05	72.3	24 149	66 1182
2991	9.1	19 16 4.02	+0.3209	−0.0177	−0.009	+ 65 19 31.9	+6.535	+0.041	−0.04	71.7	19 102	65 1337
2992	8.7	16 12.43	+0.3689	0.0168	0.008	64 56 43.8	6.546	+0.048	0.04	74.7	18 101 269	64 1340
2993	7.8	16 12.53	+0.1083	0.0221	0.009	66 54 29.2	6.546	+0.012	0.05	72.3	24 149	66 1184
2994	9.3	16 21.07	+0.2500	0.0192	0.009	65 52 58.8	6.558	+0.032	0.05	71.5 72.3	17α 24 148	65 1338
2995	8.9	16 27.67	+0.2351	0.0195	0.009	65 59 55.5	6.567	+0.030	0.05	72.2	20 148	65 1339
2996	8.9	19 16 49.02	+0.0295	−0.0240	−0.010	+ 67 27 52.0	+6.597	+0.001	−0.06	75.5	22 149 245 269	67 1135
2997	7.9	16 56.90	+0.2019	0.0203	0.009	66 15 39.8	6.607	+0.025	0.05	72.2	19 149	66 1185
2998	8.2	16 57.15	−0.0015	0.0248	0.010	67 40 25.9	6.608	−0.003	0.06	73.7	20 244	67 1136
2999	7.8	17 8.99	−0.0675	0.0264	0.010	68 6 14.3	6.624	−0.012	0.06	74.9 75.5	22 149 244 269	68 1056
3000	9.0[4]	17 30.59	−0.3152	0.0328	0.011	69 34 42.9	6.654	−0.046	0.08	73.4	24 103 245	69 1040

[1] Z. 17 18 66 146 305 [2] E.B. −0.0011 +0.015 [3] E.B. +0.0156 +0.079 [4] Dupl.

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3001	9.1	19h 17m 36.61	+0.3530	−0.0175	−0.009	+ 65° 7′ 15.2	+6.662	+0.046	−0.04	75.9 76.5	17 102 269 307	65° 1340
3002	9.3	18 4.86	+0.3668	0.0173	0.009	65 1 32.0	6.701	+0.048	0.04	74.7	18 101 307	64 1343
3003	8.3	18 32.58	+0.0445	0.0243	0.010	67 25 4.6	6.739	+0.003	0.05	71.7	19 102	67 1142
3004	8.8	19 15.07	+0.3879	0.0172	0.009	64 53 38.3	6.797	+0.050	0.04	71.7	18 101	64 1345
3005	9.2	19 21.58	+0.1446	0.0223	0.010	66 45 13.9	6.806	+0.017	0.05	76.8	20 148 268 307	66 1192
3006	7.2	19 19 22.69	+0.1469	−0.0223	−0.010	+ 66 44 15.7	+6.808	+0.017	−0.05	73.7	22 148 245	66 1193
3007	4.2	20 1.54	+0.3190	0.0188	0.009	65 28 25.0	6.861	+0.041	0.05	75.2 [1]	19 102 244 268	65 1345
3008	8.9	20 6.33	+0.2668	0.0200	0.010	65 52 48.3	6.868	+0.034	0.05	72.2	20 148	65 1346
3009	8.8	20 12.18	−0.0291	0.0267	0.011	67 57 14.4	6.876	−0.007	0.06	71.8	21 103	67 1144
3010	8.7	20 15.37	+0.3006	0.0193	0.010	65 37 30.9	6.880	+0.038	0.05	72.3	24 148	65 1347
3011	8.9	19 20 30.43	+0.3887	−0.0176	−0.009	+ 64 55 52.0	+6.901	+0.050	−0.04	75.0	18 101 307	64 1347
3012	9.1	20 50.50	+0.1602	0.0225	0.010	66 41 29.7	6.928	+0.019	0.05	71.7	19 102	66 1195
3013	8.9	20 59.64	−0.3129	0.0344	0.012	69 40 6.1	6.941	−0.046	0.08	71.8	22 103	69 1043
3014	8.5	21 57.78	−0.1595	0.0308	0.012	68 49 3.6	7.020	−0.025	0.07	73.7	20 145 245	68 1058
3015	8.8	22 9.61	−0.3608	0.0364	0.013	69 57 50.7	7.036	−0.052	0.08	72.7 73.4	21α 22 103 244	69 1044
3016	8.5	19 22 15.51	+0.3193	−0.0195	−0.010	+ 65 32 56.8	+7.044	+0.041	−0.05	71.7	17 101	65 1351
3017	8.2	23 22.36	+0.3490	0.0192	0.010	65 21 14.8	7.136	+0.044	0.05	74.8	18 102 268	65 1353
3018	8.9	23 24.84	+0.3427	0.0193	0.010	65 24 18.8	7.139	+0.044	0.05	72.4	19 101 148	65 1354
3019	8.8	23 31.64	−0.3051	0.0355	0.013	69 42 9.6	7.148	−0.045	0.08	75.2	24 103 244 268	69 1045
3020	7.0	23 54.60	−0.1407	0.0311	0.013	68 46 0.8	7.179	−0.022	0.07	73.7	20 145 245	68 1062
3021	9.3	19 25 58.87	+0.1829	−0.0237	−0.012	+ 66 42 23.4	+7.348	+0.022	−0.05	71.4	19 21 101	66 1203
3022	9.0	26 7.52	−0.3079	0.0369	0.014	69 47 59.1	7.360	−0.045	0.08	72.4	20 103 145	69 1048
3023	8.9	26 48.36	+0.3139	0.0209	0.011	65 45 21.4	7.416	+0.039	0.05	72.4	17 102 148	65 1361
3024	9.2	27 2.97	+0.3441	0.0203	0.011	65 31 40.8	7.435	+0.043	0.05	75.2	18 102 245 268	65 1362
3025	8.1	27 33.88	+0.4082	0.0190	0.010	65 1 49.1	7.477	+0.052	0.05	74.7	17 101 268	64 1353
3026	8.0	19 27 47.91	−0.0585	−0.0305	−0.014	+ 68 23 32.0	+7.496	−0.011	−0.07	73.4 73.5	20 103 244	68 1066
3027	7.4	28 36.55	+0.1028	0.0266	0.013	67 21 50.0	7.562	+0.011	0.06	72.4	18 104 148	67 1156
3028	8.5	28 49.52	−0.2303	0.0359	0.015	69 27 15.2	7.579	−0.034	0.08	74.0	21 22 145 268	69 1051
3029	8.0	28 52.24	+0.0206	0.0288	0.014	67 55 25.3	7.583	0.000	0.06	71.8	19 104	67 1157
3030	8.7	29 10.35	+0.1495	0.0256	0.013	67 3 35.1	7.607	+0.017	0.06	71.8	19 104	67 1159
3031	8.4	19 29 15.22	+0.1610	−0.0253	−0.013	+ 66 58 53.9	+7.614	+0.018	−0.06	73.4	20 101 245	66 1210
3032	9.0	29 30.64	+0.2641	0.0229	0.012	66 14 18.7	7.635	+0.032	0.05	71.8	21 102	66 1211
3033	8.3	30 24.23	+0.3015	0.0222	0.012	65 59 18.6	7.707	+0.037	0.05	71.7	17 101	65 1364
3034	7.4	30 50.24	−0.0548	0.0317	0.015	68 28 32.3	7.742	−0.011	0.07	75.2	20 105 244 268	68 1071
3035	8.7	30 56.06	−0.0365	0.0312	0.015	68 21 52.4	7.750	−0.008	0.07	72.2	21 145	68 1072
3036	8.9	19 31 0.63	+0.3452	−0.0214	−0.011	+ 65 40 18.1	+7.756	+0.043	−0.05	71.7	18 102	65 1365
3037	7.5	31 30.66	+0.1092	0.0274	0.014	67 25 35.7	7.796	+0.011	0.06	75.4	19 105 244 305	67 1162
3038	8.9	31 30.81	+0.2848	0.0230	0.012	66 9 34.1	7.797	+0.036	0.05	72.4	18 104 148	66 1216
3039	7.5	31 31.57	−0.1801	0.0356	0.016	69 15 25.2	7.798	−0.027	0.08	71.8 71.4	21 103	69 1052
3040	8.8	32 13.92	+0.3419	0.0218	0.012	65 44 46.0	7.854	+0.043	0.05	71.7	17 101	65 1367
3041	4.3	19 32 36.10	−0.2067	−0.0369	−0.017	+ 69 26 51.7	+7.884	−0.031	−0.08	76.50 [2]	5 Beob. [3]	69 1053
3042	8.9	33 2.09	−0.3337	0.0412	0.018	70 10 9.0	7.919	−0.048	0.09	71.8 71.4	21 103	70 1075
3043	8.7	33 7.35	+0.1075	0.0281	0.014	67 29 57.5	7.926	+0.011	0.06	71.8	19 104	67 1164
3044	7.7	33 12.52	+0.4082	0.0205	0.011	65 15 17.0	7.933	+0.051	0.05	74.8	18 102 268	65 1369
3045	9.0	33 22.79	+0.4387	0.0198	0.011	65 0 34.6	7.947	+0.055	0.05	73.7 74.7	22 101 148 305	64 1358
3046	9.0	19 33 44.59	+0.4025	−0.0208	−0.012	+ 65 19 20.4	+7.976	+0.050	−0.05	71.7	17 102	65 1371
3047	8.3	34 35.01	+0.1119	0.0285	0.015	67 31 30.6	8.043	+0.012	0.06	74.0	19 21 102 307	67 1167
3048	8.2	34 39.09	−0.2058	0.0379	0.018	69 30 59.3	8.049	−0.031	0.08	71.8 71.4	20 103	69 1056
3049	7.5	34 56.73	−0.2867	0.0406	0.019	69 58 50.1	8.072	−0.042	0.09	71.8	20 104	69 1057
3050	8.7	34 56.99	+0.4584	0.0198	0.011	64 54 38.4	8.073	+0.058	0.05	71.4	17 22 101	64 1360

[1] E.B. −0.001 +0.030 [2] E.B. +0.0973 −1.766 (σ Draconis) [3] Z. 20 105 244 268 305

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3051	7.1	19h 35m 52.s04	−0.s1992	−0.s0382	−0.s018	+ 69° 31′ 21.″0	+8.″146	−0.″030	−0.″08	75.2 75.6	19 103 244 268	69° 1058
3052	8.7	36 48.36	+0.4166	0.0212	0.012	65 20 9.8	8.221	+0.052	0.05	72.4	17 101 148	65 1377
3053	9.0	36 51.04	−0.2777	0.0413	0.020	69 59 57.6	8.225	−0.040	0.09	75.2 75.6	19 103 244 268	69 1059
3054	8.5	37 27.24	−0.1762	0.0382	0.019	69 26 53.4	8.273	−0.027	0.08	76.5	20 105 268 307	69 1060
3055	8.4	37 58.83	−0.0497	0.0345	0.018	68 42 32.5	8.315	−0.010	0.08	71.8	21 105	68 1075
3056	8.4	19 38 15.76	+0.4518	−0.0208	−0.012	+ 65 6 26.6	+8.337	+0.056	−0.05	73.4	17 101 245	65 1381
3057	8.8	38 17.06	−0.1240	0.0369	0.019	69 10 20.7	8.339	−0.020	0.08	73.4 73.5	22 103 244	69 1061
3058	8.3	38 36.87	+0.4578	0.0207	0.012	65 4 22.7	8.365	+0.057	0.05	71.7	18 102	65 1384
3059	7.4	39 0.60	+0.3227	0.0242	0.014	66 10 31.3	8.397	+0.039	0.05	76.5	19 104 268 307	66 1225
3060	8.7	39 1.48	+0.1257	0.0296	0.016	67 36 24.2	8.398	+0.013	0.07	71.8	21 105	67 1178
3061	6.8	19 39 11.86	+0.0132	−0.0330	−0.017	+ 68 21 35.4	+8.412	−0.002	−0.07	75.2 75.6	20 103 244 268	68 1077
3062	8.9	39 50.91	+0.2960	0.0252	0.014	66 24 52.0	8.463	+0.035	0.06	71.8	22 104	66 1226
3063	9.0	40 3.68	+0.2666	0.0260	0.015	66 38 39.6	8.480	+0.032	0.06	75.3	19 104 245 268	66 1227
3064	9.3	40 6.52	+0.3480	0.0239	0.014	66 1 33.2	8.484	+0.042	0.05	73.4	18 102 245	65 1388
3065	8.5	40 7.53	+0.4389	0.0215	0.013	65 17 49.3	8.485	+0.054	0.05	71.7	17 101	65 1389
3066	8.5	19 40 21.91	−0.2619	−0.0425	−0.021	+ 70 2 30.4	+8.504	−0.038	−0.09	71.8 71.4	20 103	70 1082
3067	8.9	40 42 27	−0.2277	0.0415	0.021	69 51 50.9	8.531	−0.034	0.09	71.8	22 105	69 1062
3068	9.2	41 21.46	+0.3200	0.0250	0.014	66 17 49.9	8.583	+0.039	0.06	76.0	5 Beob. [1]	66 1228
3069	7.2	41 23.44	−0.1830	0.0403	0.021	69 38 12.8	8.585	−0.028	0.09	71.8 71.4	20 103	69 1065
3070	9.2	41 29.09	+0.1166	0.0308	0.015	67 46 11.2	8.593	+0.012	0.07	75.2	22 105 244 268	67 1185
3071	8.3	19 41 30.33	+0.1929	−0.0286	−0.016	+ 67 14 27.4	+8.595	+0.022	−0.06	73.6 75.6	21 104 268	67 1187
3072	8.7	41 50.95	+0.4971	0.0206	0.012	64 53 8.5	8.622	+0.062	0.05	71.7	18 101	64 1379
3073	8.4	42 58.80	+0.3365	0.0250	0.014	66 14 29.7	8.711	+0.040	0.06	71.8	18 104	66 1233
3074	9.3	43 14.10	+0.3912	0.0236	0.014	65 49 23.0	8.731	+0.048	0.05	75.2 74.4	17 101 244 268	65 1395
3075	9.1	43 22.99	+0.3949	0.0236	0.014	65 48 0.9	8.743	+0.048	0.05	71.7	17 102	65 1396
3076	8.5	19 43 29.85	−0.0689	−0.0374	−0.020	+ 69 2 42.2	+8.752	−0.013	−0.08	73.4	19 105 245	68 1078
3077	8.2[2]	43 34.35	−0.0913	0.0382	0.021	69 11 1.3	8.758	−0.016	0.08	75.6 75.2	20 103 268α 269	69 1067
3078	9.4	44 25.29	+0.3919	0.0239	0.014	65 52 17.8	8.824	+0.048	0.05	71.7	17 101	65 1397
3079	5.8	44 28.51	−0.0601	0.0375	0.021	69 1 53.4	8.829	−0.012	0.08	73.4	19 105 245	68 1079
3080	8.8	44 35.90	+0.1407	0.0312	0.018	67 44 12.1	8.838	+0.015	0.07	73.4	18 104 244	67 1194
3081	8.9	19 44 59.20	+0.3028	−0.0266	−0.016	+ 66 35 18.9	+8.869	+0.036	−0.06	71.8	20 102	66 1239
3082	8.9	45 38.46	+0.3827	0.0245	0.015	66 0 3.1	8.920	+0.046	0.06	73.4	22 101 245	65 1399
3083	8.1	45 38.87	+0.2283	0.0289	0.017	67 10 1.0	8.921	+0.026	0.06	76.9	21 148 305 307	67 1200
3084	7.7	45 40.57	+0.1921	0.0300	0.018	67 25 35.5	8.923	+0.021	0.06	75.4 75.8	24 103 244 305	67 1201
3085	8.9	46 11.57	+0.4978	0.0216	0.013	65 4 57.6	8.963	+0.061	0.05	71.8	26 102	65 1400
3086	9.0	19 46 16.28	+0.3091	−0.0268	−0.016	+ 66 35 55.7	+8.969	+0.036	−0.06	71.8	20 104	66 1242
3087	8.2	46 23.34	−0.1435	0.0413	0.023	69 36 24.9	8.979	−0.022	0.09	71.8	22 105	69 1069
3088	6.6	46 35.26	+0.0959	0.0333	0.019	68 7 32.1	8.994	+0.009	0.07	75.3	21 105 245 269	68 1082
3089	9.0[3]	46 57.71	+0.2636	0.0283	0.017	66 58 8.7	9.023	+0.030	0.06	72.2	22 148	66 1244
3090	9.1	47 1.02	+0.3577	0.0256	0.015	66 15 38.3	9.028	+0.042	0.06	72.3	26 148	66 1243
3091	8.4	19 47 9.61	+0.4974	−0.0219	−0.013	+ 65 7 56.6	+9.039	+0.061	−0.05	71.8	24 102	65 1404
3092	9.1	47 42.56	+0.3277	0.0267	0.016	66 31 24.9	9.082	+0.039	0.06	71.8	20 104	66 1246
3093	8.4	48 17.27	+0.4442	0.0236	0.014	65 37 47.4	9.127	+0.054	0.05	76.7	5 Beob. [4]	— —
3094	9.0	48 23.18	+0.4463	0.0235	0.014	65 37 4.7	9.135	+0.054	0.05	81.6	305 307	65 1406
3095	3.8	48 35.23	−0.1874	0.0439	0.025	69 56 58.3	9.150	−0.028	0.09		Fund. Cat. [5]	69 1070
3096	8.7	19 49 29.48	+0.2794	−0.0286	−0.017	+ 66 58 10.8	+9.221	+0.032	−0.06	72.2	20 148	66 1250
3097	7.6	50 13.04	+0.5042	0.0224	0.014	65 13 27.5	9.277	+0.061	0.05	75.4	21 102 245 305	65 1409
3098	8.2	50 30.19	+0.0990	0.0347	0.021	68 16 40.4	9.299	+0.009	0.07	75.3 75.5	24 105 245 305	68 1084
3099	8.4	50 33.71	+0.2470	0.0300	0.018	67 15 22.8	9.304	+0.028	0.07	75.1	22 105 307	67 1206
3100	8.0	50 53.63	+0.1554	0.0330	0.020	67 54 56.4	9.329	+0.016	0.07	71.8	20 105	67 1207

[1] Z. 19 102 245 269 305 [2] Nebliger Ansatz pos. 330° [3] Dupl., oder neblig [4] Z. 21 102 245 305 307
[5] E.B. +0.s0123 +0.″016

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3101	9.2	19h 51m 28s.95	+0s.3210	−0s.0280	−0s.017	+ 66° 45′ 13″.1	+ 9″.375	+0″.037	−0″.06	72.2	22 148	66° 1252
3102	7.5	51 49.98	+0.3720	0.0266	0.016	66 22 42.9	9.402	+0.044	0.06	71.4	20 24 103	66 1253
3103	8.8	51 57.89	+0.3255	0.0280	0.017	66 44 29.7	9.412	+0.038	0.06	74.8	18 101 268	66 1254
3104	9.2	51 59.93	+0.4544	0.0243	0.015	65 43 39.5	9.415	+0.055	0.05	71.8	21 102	65 1412
3105	8.2	52 59.41	+0.2789	0.0298	0.019	67 8 18.0	9.491	+0.032	0.06	71.4	19 22 102	67 1210
3106	8.6	19 53 42.34	+0.3920	−0.0265	−0.017	+ 66 18 50.3	+ 9.546	+0.046	−0.06	71.4	17 24 101	66 1255
3107	7.8	54 5.33	+0.2808	0.0300	0.019	67 10 38.9	9.576	+0.032	0.06	75.2	18 102 245 268	67 1211
3108	8.9	54 9.89	+0.1374	0.0348	0.022	68 11 21.5	9.582	+0.014	0.07	71.8	21 103	68 1089
3109	6.8	54 15.88	+0.3826	0.0270	0.017	66 24 56.0	9.589	+0.045	0.06	71.8	22 104	66 1256
3110	8.8	54 30.25	+0.4976	0.0237	0.015	65 29 47.4	9.608	+0.060	0.05	71.6 71.2	21 26 101	65 1416
3111	8.7	19 55 15.90	+0.4456	−0.0254	−0.016	+ 65 57 53.7	+ 9.666	+0.053	−0.06	75.3	5 Beob. [1]	65 1418
3112	9.1	56 35.98	−0.0938	0.0441	0.028	69 45 22.1	9.768	−0.016	0.09	75.3	20 103 245 268	69 1081
3113	8.8	56 53.56	+0.2841	0.0308	0.020	67 17 26.4	9.791	+0.032	0.07	72.4	19 102 148	67 1213
3114	8.9	57 32.85	+0.2571	0.0319	0.021	67 31 11.1	9.841	+0.028	0.07	71.8	20 102	67 1214
3115	8.3	57 34.15	+0.4000	0.0274	0.018	66 26 50.8	9.842	+0.047	0.06	71.4	18 22 101	66 1262
3116	8.8	19 58 3.78	+0.0739	−0.0385	−0.025	+ 68 47 32.8	+ 9.880	+0.005	−0.08	71.8	21 103	68 1095
3117	7.6	58 16.87	+0.1845	0.0346	0.022	68 4 0.5	9.897	+0.019	0.07	71.8	20 104	68 1096
3118	7.8	58 21.76	+0.3164	0.0303	0.020	67 7 38.1	9.903	+0.036	0.06	72.4	19 104 148	67 1216
3119	9.1	58 41.36	+0.3172	0.0303	0.020	67 8 16.8	9.928	+0.036	0.06	72.1	19 102 105	67 1217
3120	8.8	58 44.70	+0.3153	0.0304	0.020	67 9 18.2	9.932	+0.036	0.06	76.5	18 101 268 307	67 1218
3121	6.6	19 58 59.53	−0.1204	−0.0463	−0.030	+ 70 1 11.3	+ 9.951	−0.020	−0.10	75.3	21 103 245 268	69 1084
3122	8.0	59 24.20	−0.1179	0.0464	0.030	70 1 28.1	9.982	−0.019	0.10	71.8	20 103	69 1085
3123	7.4	59 39.52	+0.0435	0.0402	0.026	69 3 45.8	10.001	+0.001	0.09	71.8	19 104	69 1086
3124	8.2	59 42.64	+0.1916	0.0349	0.023	68 5 20.0	10.005	+0.020	0.07	71.4	18 22 102	68 1097
3125	8.9	20 0 28.28	+0.0766	0.0393	0.026	68 53 28.8	10.063	+0.005	0.08	73.8	21 105 258	68 1098
3126	8.0	20 0 54.30	+0.5327	−0.0242	−0.016	+ 65 32 25.4	+10.096	+0.063	−0.05	71.7	17 101	65 1423
3127	8.2	1 6.01	−0.0313	0.0437	0.029	69 35 36.9	10.110	−0.008	0.09	71.8	20 105	69 1088
3128	9.1	1 33.94	+0.3895	0.0288	0.019	66 44 17.8	10.146	+0.045	0.06	71.7	18 102	66 1266
3129	8.2	1 49.54	−0.0144	0.0434	0.029	69 31 32.5	10.165	−0.006	0.09	75.2	22 105 244 269	69 1090
3130	8.2	1 51.55	−0.1115	0.0473	0.031	70 6 6.9	10.168	−0.018	0.10	71.8	24 103	70 1102
3131	9.3	20 1 53.61	+0.5430	−0.0242	−0.016	+ 65 30 26.6	+10.170	+0.064	−0.05	73.4	19 101 245	65 1425
3132	8.8	1 59.06	+0.2845	0.0325	0.022	67 32 50.8	10.177	+0.031	0.07	72.2	21 148	67 1221
3133	8.8	2 8.50	+0.4008	0.0287	0.019	66 40 53.7	10.189	+0.046	0.06	71.8	24 104	66 1267
3134	4.5	2 14.91	+0.2906	0.0323	0.022	67 31 1.6	10.197	+0.032	0.07	74.1 [2]	22 148 258	67 1222
3135	9.0	2 24.61	+0.2280	0.0346	0.023	67 58 21.9	10.209	+0.024	0.07	76.0	24 148 258 307	67 1223
3136	9.0	20 2 40.85	+0.5682	−0.0236	−0.016	+ 65 20 1.6	+10.230	+0.067	−0.05	71.4	22 26 102	65 1426
3137	9.3	3 59.00	+0.5589	0.0242	0.016	65 29 15.6	10.327	+0.065	0.05	76.4	20 245 307	} 65 1431
3138	9.3	4 5.22	+0.5584	0.0243	0.016	65 29 52.9	10.335	+0.065	0.05	74.9	5 Beob. [3]	
3139	6.8	4 20.67	+0.2851	0.0332	0.023	67 40 2.8	10.355	+0.031	0.07	71.8 [4]	21 105	67 1226
3140	8.5	4 33.07	+0.4899	0.0265	0.018	66 6 1.5	10.370	+0.057	0.06	71.5	22 26 104	66 1269
3141	8.7	20 4 37.97	+0.1256	−0.0391	−0.027	+ 68 46 50.9	+10.376	+0.011	−0.08	71.8	24 103	68 1103
3142	9.4	4 40.24	+0.1062	0.0399	0.027	68 54 33.0	10.379	+0.009	0.08	78.1	245 246 268	— —
3143	9.0	4 54.99	+0.1102	0.0398	0.027	68 53 43.5	10.397	+0.009	0.08	76.8	105 245 246 268	68 1104
3144	8.5	5 2.47	+0.5835	0.0237	0.016	65 20 5.0	10.407	+0.068	0.05	72.4	24 104 148	65 1432
3145	9.4	5 5.45	+0.1185	0.0396	0.027	68 51 0.9	10.410	+0.010	0.08	74.8 75.2	26 103 268	— —
3146	8.8	20 5 46.23	+0.1084	−0.0402	−0.028	+ 68 57 2.5	+10.461	+0.009	−0.08	76.6	5 Beob. [5]	68 1106
3147	8.2	5 56.09	+0.2606	0.0346	0.024	67 55 37.1	10.473	+0.028	0.07	71.8	20 104	67 1227
3148	6.9	5 57.16	+0.5184	0.0260	0.018	65 56 36.8	10.475	+0.060	0.06	74.5	18 102 148 269	65 1433
3149	8.9	6 43.19	+0.3090	0.0332	0.023	67 37 16.0	10.532	+0.034	0.07	72.8 73.5	19 103 245	67 1228
3150	8.6	7 7.37	+0.4604	0.0281	0.019	66 29 5.4	10.562	+0.053	0.06	74.0	17 26 101 307	66 1273

[1] Z. 17 24 101 268 307 [2] E.B. +0s.0006 +0″.034 [3] Z. 20 101 102 245 307 [4] E.B. −0s.005 −0″.051
[5] Z. 21 103 258 268 269

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3151	8.6	20h 7m13s.16	+0s.3024	−0s.0336	−0s.023	+ 67°41′47″.2	+10″.569	+0″.033	−0″.07	74.5	18 102 148 269	67° 1229
3152	7.0	8 53.76	0.2404	0.0364	0.026	68 13 44.0	10.694	0.025	0.07	75.2	19 103 244 269	68 1110
3153	7.1	9 40.89	0.2896	0.0348	0.025	67 55 25.3	10.752	0.031	0.07	71.8	18 104	67 1233
3154	6.8	10 22.52	0.2987	0.0347	0.025	67 53 49.0	10.803	0.032	0.07	73.4	19 103 245	67 1235
3155	7.7	11 30.38	0.5403	0.0266	0.019	66 5 3.3	10.886	0.062	0.06	71.8	19 104	66 1276
3156	8.8	20 11 44.42	+0.5679	−0.0258	−0.018	+ 65 51 55.2	+10.903	+0.065	−0.06	71.8	18 104	65 1439
3157	8.5	13 10.98	0.4786	0.0291	0.021	66 41 28.5	11.009	0.054	0.06	73.4	18 103 245	66 1278
3158	9.1	13 57.74	0.6228	0.0246	0.018	65 31 28.9	11.066	0.071	0.06	73.4	19 104 245	65 1442
3159	9.2	14 1.98	0.3967	0.0323	0.023	67 22 51.5	11.071	0.043	0.07	71.8	21 105	67 1237
3160	7.7	14 24.33	0.6325	0.0243	0.017	65 28 2.0	11.098	0.072	0.05	73.4	18 104 245	65 1443
3161	8.8	20 15 24.38	+0.0756	−0.0455	−0.034	+ 69 40 8.9	+11.171	+0.004	−0.09	71.8	19 103	69 1096
3162	9.0	16 2.29	0.2089	0.0402	0.030	68 50 29.0	11.217	0.020	0.08	72.1	19 103 105	68 1114
3163	6.7	16 17.36	0.5311	0.0282	0.021	66 27 7.0	11.235	0.059	0.06	75.6[1]	18 104 258 268	66 1281
3164	9.2	19 11.45	0.4816	0.0307	0.023	67 2 0.9	11.445	0.053	0.06	73.4	18 104 246	66 1285
3165	6.1	19 32.28	0.2909	0.0381	0.029	68 28 49.8	11.470	0.030	0.08	74.5[2]	19 103 245 258	68 1121
3166	8.9	20 19 32.74	+0.5746	−0.0275	−0.020	+ 66 17 39.4	+11.470	+0.064	−0.06	71.4	17 22 105	66 1286
3167	8.8	20 20.45	0.4454	0 0323	0.024	67 23 20.9	11.527	0.048	0.07	73.4	20 104 246	67 1241
3168	9.1[3]	21 30.71	0.5480	0.0289	0.022	66 38 35.9	11.611	0.060	0.06	71.4	17 22 104	66 1289
3169	8.8	21 31.36	0.5529	0.0287	0.022	66 36 11.4	11.612	0.061	0.06	75.3	18 104 246 268	66 1290
3170	7.4	21 49.34	0.2191	0.0419	0.033	69 6 31.1	11.633	0.021	0.08	76.3	20 105 268 275	69 1099
3171	8.5	20 21 57.82	+0.1229	−0.0462	−0.037	+ 69 44 29.8	+11.643	+0.010	−0.09	73.4	19 103 245	69 1100
3172	8.9	22 13.65	0.1386	0.0456	0.036	69 39 26.7[4]	11.662	0.012	0.09	75.3 76.1	20 103α 245 269	69 1101
3173	8.3	23 41.29	0.3987	0.0352	0.027	67 57 13.4	11.766	0.042	0.07	71.4	17 22 103	67 1245
3174	9.2	24 31.03	0.5179	0.0308	0.024	67 5 2.1	11.824	0.056	0.06	71.8	19 105	67 1247
3175	7.6	24 37.75	0.5623	0.0292	0.022	66 43 42.4	11.832	0.061	0.06	73.4	18 104 246	66 1292
3176	8.1	20 24 39.37	+0.4178	−0.0347	−0.027	+ 67 52 20.2	+11.834	+0.044	−0.07	75.3	21 103 245 269	67 1248
3177	8.3	25 7.60	0.4992	0.0317	0.025	67 16 24.4	11.867	0.054	0.06	74.8	21 105 269	67 1249
3178	7.4	25 36.28	0.2816	0.0407	0.033	68 54 46.4	11.901	0.028	0.08	75.8	28 149 258 275	68 1126
3179	8.7	25 48.72	0.5199	0.0311	0.024	67 9 9.5	11.915	0.056	0.06	75.8	26 150 258 269	67 1251
3180	6.9	26 21.67	0.7341	0.0236	0.018	65 20 22.0	11.954	0.081	0.05	71.9	27 109	65 1466
3181	7.4	20 26 36.69	+0.3699	−0.0373	−0.030	+ 68 21 4.3	+11.972	+0.038	−0.07	72.3[5]	28 149	68 1129
3182	8.3	26 42.69	0.7264	0.0239	0.018	65 26 9.7	11.979	0.080	0.05	71.5	26 27 109	65 1468
3183	7.9	26 57.74	0.4909	0.0325	0.026	67 27 32.6	11.996	0.052	0.07	77.1	151 246 269	67 1252
3184	9.0	27 22.46	0.3517	0.0383	0.031	68 31 53.6	12.025	0.036	0.08	72.3	28 149	68 1131
3185	9.0	27 44.91	0.7738	0.0225	0.017	65 3 51.9	12.051	0.085	0.05	75.8	26 150 258 275	65 1471
3186	8.9	20 28 39.30	+0.1405	−0.0482	−0.041	+ 70 1 41.7	+12.115	+0.011	−0.09	75.6	28 149 246 275	69 1108
3187	8.3	28 40.73	0.7013	0.0252	0.019	65 48 15.0	12.116	0.076	0.05	71.9	27 109	65 1473
3188	9.0	28 54.44	0.5630	0.0303	0.024	67 0 39.8	12.132	0.060	0.06	72.3	28 151	66 1303
3189	8.9	28 55.70	0.6459	0.0272	0.021	66 18 43.5	12.134	0.070	0.06	74.1	27 151 258	66 1302
3190	7.9	28 59.26	0.7225	0.0245	0.019	65 37 59.2	12.138	0.079	0.05	75.5 75.8	27 150 258 275	65 1475
3191	9.1	20 29 7.84	+0.7580	−0.0233	−0.018	+ 65 18 50.0	+12.148	+0.083	−0.05	72.3	26 150	65 1476
3192	8.4	29 56.48	0.3335	0.0399	0.033	68 49 31.5	12.204	0.033	0.08	73.8	32 151 246	68 1133
3193	7.8	30 8.47	0.1296	0.0494	0.042	70 11 13.0	12.218	0.010	0.10	73.4 74.2	32 149 258	70 1124
3194	6.8	30 34.47	0.8050	0.0220	0.017	64 58 16.2	12.248	0.088	0.05	71.9	30 109	64 1449
3195	9.0	30 50.10	0.4382	0.0357	0.029	68 7 20.5	12.266	0.045	0.07	72.3	28 151	68 1134
3196	8.6	20 30 54.38	+0.7796	−0.0229	−0.018	+ 65 14 22.8	+12.271	+0.085	−0.05	72.3	30 150	65 1477
3197	9.0	31 22.52	0.5216	0.0325	0.026	67 30 51.3	12.304	0.055	0.07	74.1	27 151 258	67 1255
3198	8.2	31 48.19	0.6030	0.0295	0.023	66 52 49.0	12.333	0.064	0.06	71.9	26 109	66 1308
3199	7.9	31 49.66	0.1691	0.0482	0.041	70 2 37.3	12.335	0.014	0.09	72.3	28 149	69 1110
3200	6.7	32 8.86	0.1629	0.0486	0.042	70 6 11.5	12.357	0.013	0.09	75.6 75.8	30 149 258 275	70 1126

[1] E.B. +0s.0887 +0″.269 (BB VII) [2] E.B. +0s.013 +0″.025 [3] Dupl.? [4] Z. 103 δ ausgeschlossen
[5] E.B. +0s.007 −0″.017

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3201	7.9	$20^h 32^m 27^s.06$	+0s.4121	−0s.0374	−0s.031	+ 68° 25′ 27″.2	+12″.378	+0″.042	−0″.07	72.3	27 150	68° 1137
3202	7.1	32 50.96	0.3010	0.0424	0.036	69 14 25.7	12.405	0.029	0.08	74.1	28 151 258	69 1112
3203	8.5	33 46.23	0.8135	0.0223	0.017	65 7 41.4	12.468	0.088	0.05	71.6	26 30 109	65 1482
3204	6.7	34 51.19	0.3192	0.0423	0.036	69 14 48.4	12.542	0.031	0.08	72.3	27 151	69 1114
3205	8.9	34 56.40	0.1960	0.0482	0.042	70 4 11.1	12.548	0.017	0 09	72.3	28 149	69 1116
3206	7.5	20 35 49.37	+0.6153	−0.0300	−0.025	+ 67 3 51.3	+12.609	+0.064	−0.06	74.1	28 151 258	66 1311
3207	8.6	35 52.12	0.4838	0.0354	0.030	68 7 11.7	12.612	0.050	0.07	72.3	27 149	68 1140
3208	8.2	36 5.21	0.7477	0.0251	0.020	65 55 25.2	12.626	0.079	0.05	73.9	26 32 109 275	65 1485
3209	8.7	36 57.04	0.8469	0.0217	0.017	65 2 45.4	12.685	0.090	0.05	73.8	30 150 246	64 1456
3210	9.2	37 6.35	0.6522	0.0289	0.024	66 50 46.1	12.696	0.068	0.06	73.8	27 149 246	66 1312
3211	8.8	20 37 29.41	+0.7540	−0.0251	−0.020	+ 65 58 19.4	+12.722	+0.080	−0.05	75.8	26 150 258 275	65 1488
3212	8.9	37 36.03	0.7857	0.0240	0.019	65 41 6.7	12.729	0.083	0.05	72.3	28 150	65 1489
3213	9.1	38 14.46	0.4798	0.0363	0.031	68 19 3.1	12.772	0.049	0.07	71.9	32 105	68 1141
3214	8.3	38 24.25	0.6565	0.0290	0.024	66 54 21.4	12.783	0.068	0.06	71.8	26 104	66 1313
3215	8.8	38 39.63	0.6059	0.0311	0.026	67 20 59.0	12.801	0.063	0.06	73.5	27 105 245	67 1261
3216	9.0	20 39 53.54	+0.7643	−0.0252	−0.021	+ 66 3 43.7	+12.883	+0.080	−0.06	71.8	26 32 150	65 1494
3217	9.0	40 24.48	0.7381	0.0263	0.022	66 20 27.9	12.918	0.077	0.06	75.8	27 151 258 275	66 1314
3218	8.7	40 25.98	0.7239	0.0269	0.022	66 28 13.4	12.920	0.075	0.06	72.3	28 149	66 1315
3219	8.3	40 30.29	0.7255	0.0268	0.022	66 27 42.9	12.924	0.075	0.06	72.3	28 149	66 1316
3220	8.6	40 33.61	0.3449	0.0432	0.039	69 27 23.4	12.928	0.033	0.08	73.5	30 105 246	69 1120
3221	6.8	20 41 10.75	+0.7953	−0.0243	−0.020	+ 65 52 29.6	+12.970	+0.083	−0.05	75.1	26 151 269	65 1499
3222	6.0	41 37.10	0.7636	0.0256	0.021	66 12 11.8	12.999	0.079	0.06	72.3 [1]	27 151	66 1318
3223	8.4	41 44.58	0.8126	0.0238	0.019	65 45 21.9	13.007	0.085	0.05	75.2	30 151 269	65 1500
3224	9.0	42 13.23	0.7772	0.0252	0.021	66 7 32.6	13.039	0.080	0.06	72.3	32 151	66 1319
3225	8.4	42 30.90	0.4008	0.0412	0.036	69 12 7.8	13.058	0.039	0.08	71.8	28 105	69 1122
3226	8.7	20 43 29.54	+0.7404	−0.0269	−0.022	+ 66 33 41.6	+13.123	+0.076	−0.06	74.1	27 151 258	66 1321
3227	6.5	43 47.18	0.4004	0.0417	0.038	69 17 46.1	13.143	0.038	0.08	71.8	28 105	69 1127
3228	8.5	44 5.75	0.8001	0.0247	0.020	66 3 47.3	13.163	0.082	0.05	72.3	30 151	65 1504
3229	8.5	44 18.19	0.5249	0.0361	0.032	68 24 49.8	13.177	0.052	0.07	74.2	32 149 258	68 1153
3230	8.5	44 38.56	0.5699	0.0342	0.030	68 5 15.7	13.199	0.057	0.07	72.3	27 149	68 1155
3231	9.1	20 44 40.17	+0.3735	−0.0433	−0.040	+ 69 32 52.7	+13.201	+0.035	−0.08	71.8	28 105	69 1128
3232	9.0	44 48.33	0.7343	0.0274	0.023	66 43 10.5	13.210	0.075	0.06	73.8	26 151 246	66 1325
3233	8.4	45 4.01	0.7259	0.0278	0.024	66 48 55.5	13.227	0.074	0.06	75.1 75.4	27 150 269	66 1326
3234	7.6	45 51.45	0.3964	0.0426	0.039	69 28 24.8	13.279	0.038	0.08	71.8	28 105	69 1129
3235	9.0	46 17.29	0.6809	0.0299	0.026	67 18 8.0	13.307	0.069	0.06	72.3	26 151	67 1266
3236	8.8	20 46 55.64	+0.3047	−0.0476	−0.045	+ 70 10 30.1	+13.349	+0.028	−0.09	72.3	30 149	70 1144
3237	7.2	47 4.87	0.6574	0.0311	0.027	67 33 49.8	13.359	0.066	0.06	72.3	27 151	67 1267
3238	7.9	47 15.07	0.5198	0.0372	0.034	68 40 26.8	13.370	0.051	0.07	74.2	32 151 258	68 1157
3239	7.1	47 35.74	0.4537	0.0404	0.037	69 11 29.5	13.393	0.044	0.08	73.8	28 149 246	69 1130
3240	9.0	48 39.18	0.9459	0.0202	0.016	65 0 41.6	13.461	0.096	0.05	71.8	26 32 150	64 1473
3241	9.1	20 49 12.68	+0.8256	−0.0247	−0.021	+ 66 14 38.4	+13.497	+0.083	−0.05	72.1	27 67 149	66 1330
3242	8.9	49 17.99	0.9209	0.0212	0.017	65 19 22.1	13.503	0.094	0.05	76.6	28 150 269 275	65 1508
3243	8.9	49 44.45	0.9004	0.0220	0.018	65 33 58.9	13.532	0.091	0.05	71.8	26 32 150	65 1510
3244	8.5	50 6.91	0.4881	0.0396	0.037	69 7 46.4	13.556	0.047	0.07	73.5	30 105 246	69 1134
3245	8.6	50 25.21	0.5675	0.0360	0.033	68 33 5.3	13.576	0.055	0.07	74.1	28 149 258	68 1161
3246	9.0	20 50 40.04	+0.6572	−0.0320	−0.029	+ 67 51 1.5	+13.591	+0.065	−0.06	72.1	27 67 151	67 1271
3247	8.7	51 40.63	0.9281	0.0213	0.018	65 27 26.6	13.656	0.093	0.05	71.6	26 30 109	65 1514
3248	8.8	51 52.35	0.6408	0.0330	0.030	68 4 58.5	13.669	0.063	0.07	71.8	27 105	68 1163
3249	8.6	52 34.57	0.7511	0.0284	0.025	67 12 16.3	13.714	0.074	0.06	73.8	28 149 246	67 1273
3250	8.6	53 19.08	0.6182	0.0344	0.032	68 22 55.8	13.761	0.060	0.07	72.3	27 149	68 1165

[1] E.B. +0s.0022 +0″.020

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
3251	8.5	20h 53m 20.62	+0.8413	−0.0249	−0.022	+ 66°26′ 53.″7	+13.″763	+0.″083	−0.″06	75.2	30 150 269	66° 1338
3252	8.0	53 26.23	0.4768	0.0412	0.039	69 28 6.1	13.769	0.045	0.08	71.8	28 105	69 1136
3253	6.8	53 29.99	0.9684	0.0201	0.016	65 12 26.5	13.773	0.097	0.05	71.9	26 109	65 1518
3254	9.0	53 38.55	0.7829	0.0273	0.024	67 0 40.7	13.782	0.077	0.06	76.6	32 151 269 275	66 1339
3255	8.7	54 23.00	0.8449	0.0250	0.022	66 30 19.5	13.829	0.083	0.05	74.5 73.8	67 149 258	66 1340
3256	7.6	20 54 26.23	+0.9632	−0.0204	−0.017	+ 65 20 42.3	+13.832	+0.096	−0.05	75.3 75.6	32 109 258 275	65 1519
3257	9.4	54 32.62	0.9850	0.0197	0.016	65 7 44.1	13.839	0.098	0.05	73.8	26 150 246	65 1520
3258	9.3	54 54.01	0.9882	0.0196	0.016	65 7 38.1	13.862	0.098	0.05	71.8	26 32 150	65 1521
3259	8.6	55 1.40	0.5680	0.0373	0.035	68 54 45.2	13.869	0.054	0.07	73.5	27 105 246	68 1169
3260	8.0	55 31.38	0.8807	0.0237	0.020	66 15 50.5	13.901	0.087	0.05	72.3	28 151	66 1343
3261	8.8	20 55 39.27	+0.8700	−0.0242	−0.021	+ 66 22 43.5	+13.909	+0.086	−0.05	72.8	67 151	66 1344
3262	9.3	55 40.37	0.9949	0.0194	0.016	65 7 40.4	13.910	0.099	0.05	74.8	109 246	65 1522
3263	6.9	55 59.57	0.6215	0.0350	0.033	68 34 25.2	13.930	0.059	0.07	73.4 74.1	27 149 258	68 1170
3264	9.3	56 1.80	0.9616	0.0207	0.017	65 30 24	13.933	0.095	0.05	80.8	269	[65 1525]
3265	7.2	56 15.21	0.7782	0.0281	0.025	67 16 38.4	13.947	0.076	0.06	72.2	30 67 151	67 1279
3266	8.9	20 56 35.11	+0.4431	−0.0440	−0.044	+ 69 57 11.7	+13.968	+0.040	−0.08	73.5	28 105 246	69 1139
3267	9.3	57 1.11	0.9692	0.0206	0.017	65 31 7.5	13.995	0.095	0.05	72.3	32 150	65 1528
3268	8.9	57 14.81	0.6395	0.0345	0.033	68 31 59.2	14.009	0.061	0.07	74.1	27 149 258	68 1172
3269	7.8	58 2.63	0.9382	0.0219	0.019	65 55 35.8	14.059	0.092	0.05	72.8	67 150	65 1531
3270	9.0	58 20.03	0.6787	0.0330	0.031	68 18 21.1	14.077	0.065	0.06	71.8	27 105	68 1173
3271	8.8	20 58 39.15	+0.6157	−0.0360	−0.036	+ 68 50 19.5	+14.097	+0.058	−0.07	73.8	32 149 246	68 1174
3272	8.8	59 0.53	1.0283	0.0187	0.016	65 5 4.2	14.119	0.100	0.05	72.5	26 109 151	65 1532
3273	8.8	59 8.31	0.4396	0.0451	0.045	70 10 43.8	14.127	0.039	0.08	74.8	28 105 269	70 1157
3274	8.2	59 38.52	0.9238	0.0228	0.020	66 13 0.0	14.158	0.089	0.05	71.9	27 67 112	66 1350
3275	7.6	21 0 2.70	0.7712	0.0292	0.027	67 40 8.7	14.183	0.073	0.06	72.5	27 105 150	67 1283
3276	9.0	21 0 8.19	+1.0123	−0.0194	−0.016	+ 65 21 39.3	+14.189	+0.098	−0.05	73.1 73.5	26 30 109 260	65 1533
3277	9.0	3 17.64	1.0642	0.0179	0.015	65 6 35.4	14.383	0.102	0.05	72.1 72.3	26 32 109 151	65 1538
3278	8.8	3 20.68	0.8265	0.0275	0.026	67 28 21.9	14.386	0.078	0.06	71.8	27 67 105	67 1285
3279	9.0	3 22.92	1.0170	0.0197	0.017	65 37 22.0	14.388	0.097	0.05	73.8	28 150 246	65 1539
3280	8.7	3 39.80	0.9808	0.0211	0.019	66 1 24.6	14.405	0.093	0.05	73.9	30 109 258	65 1541
3281	9.1	21 4 3.97	+0.9284	−0.0233	−0.021	+ 66 35 1.7	+14.430	+0.088	−0.05	73.8	28 149 246	66 1357
3282	8.6	4 35.56	0.6890	0.0341	0.033	68 45 41.8	14.462	0.063	0.06	74.6	27 105 151 269	68 1180
3283	9.3	5 20.08	0.9338	0.0233	0.021	66 39 5.2	14.507	0.088	0.05	71.9	26 67 109	66 1359
3284	8.9	5 20.59	0.7713	0.0304	0.029	68 8 26.8	14.507	0.072	0.06	73.9	28 105 260	68 1186
3285	7.9	5 35.45	0.6492	0.0364	0.036	69 10 1.6	14.522	0.059	0.07	75.2	32 149 269	69 1148
3286	7.8	21 5 41.81	+0.7786	−0.0302	−0.029	+ 68 6 34.2	+14.529	+0.072	−0.06	73.9	28 105 260	68 1188
3287	8.0	5 50.85	0.9232	0.0238	0.022	66 48 11.1	14.538	0.087	0.05	75.2	30 150 269	66 1360
3288	7.0	5 59.95	0.8230	0.0282	0.027	67 44 50.1	14.547	0.076	0.06	73.8	27 149 246	67 1288
3289	8.8	7 13.25	0.7332	0.0327	0.032	68 37 59.3	14.620	0.067	0.06	75.5 75.8	28 149 258 275	68 1190
3290	7.6	7 51.25	1.0998	0.0171	0.015	65 10 30.2	14.658	0.103	0.05	74.8	26 150 246 260	65 1552
3291	var.[1]	21 7 53.04	+0.8163	−0.0289	−0.028	+ 67 58 55.5	+14.660	+0.075	−0.06	71.8 72.0	27 32 67 149	67 1291
3292	8.7	8 1.66	0.9684	0.0223	0.020	66 34 14.5	14.668	0.090	0.05	73.4 74.2	30 151 258	66 1365
3293	6.4	8 25.61	1.0619	0.0186	0.016	65 38 46.0	14.692	0.099	0.05	72.3 74.2	30 150 258δ	65 1554
3294	6.8	8 45.48	1.0126	0.0206	0.018	66 11 46.7	14.712	0.094	0.05	72.3	26 151	66 1366
3295	8.9	8 51.32	0.8817	0.0262	0.025	67 28 56.3	14.718	0.081	0.05	73.8	27 151 246	67 1293
3296	9.1	21 9 48.69	+0.8462	−0.0280	−0.027	+ 67 53 48.4	+14.774	+0.077	−0.06	80.8	269 275	[67 1294]
3297	6.3	10 27.23	0.6061	0.0401	0.042	69 55 29.4	14.812	0.053	0.07	72.3	67 105	69 1151
3298	8.4	10 28.67	0.9549	0.0233	0.022	66 56 39.4	14.814	0.088	0.05	73.8	27 149 246	66 1371
3299	8.4	10 33.72	1.0338	0.0200	0.018	66 9 31.9	14.819	0.095	0.05	75.1	26 150 269	66 1370
3300	8.6	10 47.81	1.0241	0.0205	0.018	66 17 0.5	14.833	0.094	0.05	72.3	30 151	66 1372

[1] T Cephei

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3301	8.4	21h 10m 52.80	+1.0431	−0.0197	−0.018	+ 66° 5′ 39.7	+14.837	+0.096	−0.05	74.1	26 32 151 275	66° 1373
3302	7.4	11 17.98	1.0557	0.0193	0.017	66 0 16.9	14.862	0.097	0.05	74.6	32 112 246 260	65 1562
3303	8.2	11 29.54	0.8924	0.0262	0.025	67 38 16.4	14.873	0.081	0.05	75.1	27 151 269	67 1295
3304	8.7	12 9.02	1.0555	0.0194	0.017	66 5 39.5	14.912	0.097	0.05	76.5	147 258 260	66 1375
3305	9 0	12 12.77	1.0833	0.0183	0.016	65 48 17.6	14.916	0.099	0.05	76.6	30 150 269 275	65 1564
3306	6.6	21 12 24.85	+0.6832	−0.0366	−0.038	+ 69 30 32.1	+14.927	+0.060	−0.07	71.8	28 105	69 1152
3307	9.2	12 43.09	1.1660	0.0152	0.013	64 56 11.2	14.945	0.107	0.04	72.4	67 109	64 1518
3308	8.5	13 15.82	1.1355	0.0164	0.014	65 20 28.1	14.977	0.104	0.04	73.5	27 112 247	65 1565
3309	8.6	13 20.04	1.0735	0.0188	0.017	66 1 34.0	14.981	0.098	0.05	72.3	30 147	65 1566
3310	9.0	13 29.04	0.6743	0.0373	0.039	69 40 36.0	14.990	0.059	0.07	74.5	69 149 258	69 1155
3311	8.3	21 13 45.42	+0.9997	−0.0219	−0.020	+ 66 49 51.4	+15.006	+0.090	−0.05	72.8 74.5	67 150 258δ	66 1380
3312	7.9	13 52.36	0.8967	0.0265	0.026	67 49 51.7	15.012	0.080	0.05	72.8	70 151	67 1299
3313	8.0	14 20.10	0.8394	0.0292	0.029	68 23 29.0	15.039	0.075	0.06	72.8	67 149	68 1195
3314	8.9	14 45.37	0.9217	0.0255	0.025	67 41 11.4	15.064	0.082	0.05	75.5	69 151 270	67 1302
3315	8.6	14 52.79	1.1718	0.0152	0.013	65 6 9.7	15.071	0.106	0.04	75.2	30 150 270	65 1567
3316	7.8	21 15 25.09	+1.0860	−0.0186	−0.017	+ 66 6 45.6	+15.102	+0.098	−0.05	72.3	32 152	66 1383
3317	9.0	15 52.83	1.1704	0.0153	0.013	65 13 40.3	15.128	0.106	0.04	72.8 74.5	69 150 258δ	65 1571
3318	8.3	16 5.25	0.8980	0.0268	0.027	68 2 19.4	15.140	0.079	0.05	72.8	70 149	67 1303
3319	7.8	16 15.11	1.1377	0.0166	0.015	65 38 16.6	15.150	0.102	0.05	72.8 74.5	69 151 258δ	65 1573
3320	9.1	16 18.97	1.0857	0.0187	0.017	66 12 38.7	15.153	0.097	0.05	75.5	70 152 270	66 1384
3321	7.4	21 16 28.68	+1.1557	−0.0160	−0.014	+ 65 27 39.5	+15.163	+0.104	−0.05	72.2	32 70 152	65 1574
3322	9.0	16 34.49	0.9592	0.0241	0.023	67 30 54.9	15.168	0.085	0.05	76.8	69 152 270 275	67 1304
3323	8.9	17 24.56	0.8365	0.0301	0.031	68 43 3.1	15.216	0.073	0.06	72.8	69 149	68 1202
3324	8.3	17 25.93	1.0928	0.0185	0.017	66 15 15.9	15.217	0.097	0.05	71.9	30 112	66 1389
3325	9.0	17 27.34	1.0174	0.0217	0.021	67 2 9.6	15.218	0.090	0.05	75.6	32 150 246 275	66 1390
3326	9.1	21 17 49.72	+0.8153	−0.0313	−0.032	+ 68 56 28.0	+15.240	+0.071	−0.06	76.8	70 260 270	68 1203
3327	8.4	17 57.86	0.7689	0.0336	0.035	69 20 31.4	15.247	0.066	0.06	72.8	69 149	69 1160
3328	8.9	18 12.15	0.8141	0.0314	0.032	68 59 15.6	15.261	0.070	0.06	72.8	70 151	68 1204
3329	8.7	18 21.73	0.8300	0.0306	0.032	68 52 4.0	15.270	0.072	0.06	74.1	67 153 247	68 1205
3330	7.3	18 28.62	0.8115	0.0316	0.033	69 2 11.6	15.276	0.070	0.06	75.8	28 151 258 275	68 1206
3331	8.6	21 18 30.91	+0.8265	−0.0308	−0.032	+ 68 54 46.8	+15.279	+0.071	−0.06	74.0	69 152 153 247	68 1207
3332	7.8	18 33.76	1.0631	0.0199	0.019	66 41 17.1	15.281	0.094	0.05	71.9	27 72 112	66 1392
3333	8.6	19 27.54	1.1858	0.0151	0.013	65 26 52.3	15.332	0.105	0.04	71.9	26 71 109	65 1578
3334	8.9	19 46.10	1.1871	0.0151	0.013	65 28 4.3	15.349	0.105	0.04	73.8	30 147 245	65 1580
3335	8.2	19 48.58	0.8107	0.0319	0.034	69 10 28.9	15.352	0.069	0.06	72.3	28 154	69 1162
3336	8.6	21 20 17.30	+0.9397	−0.0257	−0.026	+ 68 4 51.5	+15.379	+0.081	−0.05	73.8	32 151 247	67 1309
3337	8.7	20 45.74	1.0996	0.0187	0.017	66 32 36.9	15.405	0.096	0.05	72.2	27 73 147	66 1395
3338	8.8	20 51.86	1.0999	0.0187	0.017	66 33 5.6	15.411	0.096	0.05	72.2	27 73 147	66 1396
3339	8.4	20 53.90	1.1836	0.0153	0.013	65 38 5.6	15.413	0.104	0.04	73.1	5 Beob. [1]	65 1581
3340	8.8	20 55.91	0.8481	0.0303	0.032	68 58 4.4	15.415	0.072	0.06	72.3	28 149	68 1212
3341	8.1	21 21 10.39	+1.1101	−0.0183	−0.017	+ 66 28 37.3	+15.428	+0.097	−0.05	73.8	30 150 246	66 1398
3342	8.9	21 20.41	0.9621	0.0248	0.025	67 58 50.0	15.438	0.083	0.05	73.7 74.1	32α 67 151 247	67 1310
3343	7.6	21 31.13	1.1924	0.0150	0.013	65 36 15.9	15.448	0.104	0.04	73.1	26 72 245	65 1582
3344	7.3	22 0.52	0.8574	0.0301	0.032	68 59 44.9	15.475	0.073	0.06	72.3	28 154	68 1214
3345	7.6	22 44.45	0.8123	0.0326	0.035	69 27 10.8	15.516	0.068	0.06	72.3	28 149	69 1166
3346	9.1	21 22 49.88	+1.1226	−0.0180	−0.017	+ 66 31 34.9	+15.520	+0.097	−0.05	72.2	27 73 147	66 1400
3347	8.5	23 2.84	1.2323	0.0136	0.012	65 18 55.6	15.532	0.107	0.04	75.8	30 109 258 275	65 1583
3348	7.9	23 8.14	0.8409	0.0312	0.033	69 15 7.4	15.537	0.071	0.06	72.8	69 149	69 1168
3349	8.4	23 14.72	1.1593	0.0165	0.015	66 10 20.6	15.543	0.100	0.05	74.1	67 151 246	66 1401
3350	7.7	23 43.04	0.7653	0.0353	0.039	69 56 4.7	15.570	0.064	0.06	73.8	28 149 245	69 1169

[1] Z. 26 72 109 112 245

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
3351	9.0	21h 23m 46.31	+1.2214	−0.0141	−0.012	+ 65° 31′ 37.4	+15.572	+0.106	−0.04	76.8 77.5	5 Beob. [1]	65° 1584
3352	8.7	23 48.57	1.0711	0.0203	0.020	67 10 31.1	15.575	0.092	0.05	73.8	27 154 247	67 1313
3353	9.0	24 32.63	1.2531	0.0130	0.011	65 14 33.2	15.615	0.108	0.04	78.3	69 147 270 308	65 1585
3354	9.0	24 40.40	1.2066	0.0147	0.013	65 48 10.8	15.622	0.104	0.04	75.5	70 150 270	65 1586
3355	7.7	25 10.22	1.2353	0.0137	0.012	65 31 42.8	15.649	0.106	0.04	72.8	70 151	65 1588
3356	9.0	21 25 11.44	+1.2635	−0.0126	−0.011	+ 65 11 39.7	+15.650	+0.109	−0.04	74.6 75.3	5 Beob. [2]	65 1587
3357	7.7	25 13.15	1.1849	0.0157	0.014	66 6 46.4	15.652	0.101	0.04	74.1	71 154 246	66 1404
3358	5.3	25 21.21	1.1728	0.0162	0.015	66 15 49.7	15.659	0.100	0.04	74.5 [3]	71 154 259	66 1405
3359	7.4	25 29.59	1.2534	0.0130	0.011	65 21 7.8	15.667	0.107	0.04	72.8	69 150	65 1589
3360	8.6	25 30.15	0.8011	0.0338	0.037	69 49 26.2	15.667	0.066	0.06	75.2	71 153 270	69 1172
3361	8.8	21 25 40.32	+1.2132	−0.0146	−0.013	+ 65 50 38.8	+15.677	+0.104	−0.04	72.4	70 112	65 1590
3362	8.8	25 40.75	1.2269	0.0140	0.012	65 41 8.5	15.677	0.105	0.04	72.8	70 155	65 1591
3363	8.1	25 54.24	1.2439	0.0134	0.012	65 30 47.5	15.689	0.106	0.04	72.8	69 155	65 1592
3364	8.6	26 13.95	1.0822	0.0201	0.020	67 19 49.8	15.707	0.091	0.05	74.6 75.0	71 72 154 275	67 1320
3365	9.5	26 42.0	1.1012	0.0193	0.019	67 11 12.5	15.733	0.093	0.05	77.9	260	— —
3366	8.6	21 26 43.10	+1.2615	−0.0128	−0.011	+ 65 24 2.8	+15.734	+0.107	−0.04	72.8	67 150	65 1593
3367	6.8	26 55.52	1.1677	0.0165	0.015	66 30 6.4	15.745	0.099	0.05	74.5	71 154 259	66 1407
3368	8.8	26 59.93	1.0191	0.0231	0.024	68 2 36.8	15.749	0.085	0.05	74.5	71 153 259	67 1321
3369	3.0	27 2.46	0.7972	0.0345	0.039	70 0 44.0	15.751	0.065	0.06		Fund. Cat. [4]	69 1173
3370	9.3	27 3.66	1.2671	0.0126	0.011	65 22 31.0	15.752	0.108	0.04	74.1	69 150 246	65 1594
3371	8.8	21 27 19.16	+1.2531	−0.0132	−0.012	+ 65 34 20.7	+15.766	+0.106	−0.04	75.5	72 155 270	65 1596
3372	6.7	28 24.63	1.0658	0.0212	0.021	67 44 29.4	15.825	0.089	0.05	72.8	69 154	67 1322
3373	9.0	29 1.99	1.3227	0.0106	0.009	64 55 54.5	15.858	0.111	0.04	74.9	67 112 246 261	64 1560
3374	7.1	29 22.40	0.7947	0.0352	0.040	70 16 15.4	15.877	0.064	0.06	76.1	72 149 261 270	70 1183
3375	8.1	29 32.00	1.0702	0.0211	0.021	67 49 26.6	15.885	0.088	0.05	72.8	71 152	67 1324
3376	8.3	21 29 44.57	+1.3269	−0.0105	−0.009	+ 64 58 1.3	+15.896	+0.111	−0.04	73.5	32 112 246	64 1564
3377	8.6	29 55.51	1.2806	0.0123	0.011	65 33 34.7	15.906	0.107	0.04	72.8	70 155	65 1599
3378	7.8	30 0.26	0.9406	0.0275	0.030	69 6 9.8	15.910	0.077	0.05	75.5	72 153 270	69 1178
3379	9.1	30 2.36	1.3087	0.0112	0.010	65 13 52.6	15.912	0.109	0.04	76.1	69 150 258 275	65 1600
3380	8.7	30 7.51	1.0388	0.0227	0.024	68 12 1.2	15.917	0.085	0.05	75.5	72 154 275	68 1223
3381	9.0	21 30 12.36	+0.8818	−0.0306	−0.034	+ 69 38 19.1	+15.921	+0.071	−0.06	74.5	72 153 259	69 1181
3382	8.3	30 29.85	1.0406	0.0227	0.024	68 13 28.0	15.937	0.085	0.05	72.2	28 73 154	68 1225
3383	8.8	30 47.56	1.2753	0.0125	0.011	65 43 50.4	15.952	0.106	0.04	73.8	30 150 247	65 1601
3384	8.4	30 54.93	1.1950	0.0158	0.015	66 40 11.6	15.959	0.099	0.04	72.3	27 152	66 1412
3385	7.3	31 22.54	1.3260	0.0106	0.009	65 10 57.1	15.983	0.110	0.04	74.5	67 150 259	65 1602
3386	8.9	21 31 32.54	+1.1925	−0.0160	−0.015	+ 66 46 22.1	+15.992	+0.098	−0.05	76.1	70 153 258 275	66 1414
3387	7.0	31 51.32	1.2491	0.0137	0.012	66 10 10.4	16.008	0.102	0.04	74.2	28 152 259	66 1415
3388	7.1	32 4.20	1.2475	0.0137	0.012	66 12 51.7	16.020	0.102	0.04	74.2	27 155 259	66 1416
3389	9.0	32 13.85	1.3035	0.0115	0.010	65 34 5.5	16.028	0.107	0.04	72.3	30 151	65 1607
3390	9.5	32 23.90	1.2941	0.0119	0.010	65 42 8.7	16.037	0.106	0.04	73.7	147	— —
3391	7.2	21 32 25.83	+1.3488	−0.0098	−0.008	+ 65 1 42.5	+16.039	+0.111	−0.04	73.8	67 112 247	64 1569
3392	8.8	32 56.73	1.3416	0.0101	0.008	65 11 10.6	16.066	0.110	0.04	75.5	70 150 270	65 1609
3393	8.9	32 57.88	1.2159	0.0151	0.014	66 41 3.1	16.067	0.099	0.04	75.6	27 152 246 275	66 1418
3394	8.7	33 3.69	1.0225	0.0240	0.026	68 41 16.9	16.072	0.082	0.05	72.2	28 73 153	68 1229
3395	6.2	33 6.21	1.1270	0.0190	0.019	67 39 30.6	16.074	0.091	0.05	74.5	71 154 260	67 1329
3396	9.0	21 33 7.53	+1.3510	−0.0098	−0.008	+ 65 5 21.6	+16.075	+0.111	−0.04	74.5	69 147 259	65 1610
3397	7.9	34 28.63	1.3316	0.0106	0.009	65 30 26.1	16.146	0.108	0.04	74.2	30 147 259	65 1613
3398	8.6	34 35.33	1.1474	0.0183	0.018	67 37 18.9	16.151	0.092	0.05	72.3	28 154	67 1332
3399	8.9	34 56.83	1.2430	0.0141	0.013	66 37 15.0	16.170	0.100	0.04	73.8	27 152 246	66 1422
3400	8.7	35 1.19	1.1636	0.0176	0.017	67 30 12.0	16.174	0.093	0.05	72.8	70 155	67 1333

[1] Z. 26 72 150 275 309 [2] Z. 69 72 150 258 260 [3] E.B. −0.0027 −0.042 [4] E.B. +0.0012 −0.012

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
3401	7.9	21h 35m 6s.18	+1s.3709	−0s.0091	−0s.007	+ 65° 5′ 29″.3	+16″.178	+0″.111	−0″.04	73.9	69 112 247	64° 1574
3402[1]	9.3	35 11.3	0.9186	0.0298	0.034	69 51 51	16.182	0.072	0.06	77.8	259	[69 1187]
3403	8.0	35 21.72	1.0487	0.0230	0.025	68 42 7.6	16.191	0.083	0.05	72.8	71 153	68 1230
3404	8.1	35 56.73	1.0470	0.0232	0.025	68 47 9.8	16.221	0.083	0.05	72.3	28 153	68 1234
3405	8.5	36 32.20	1.3699	0.0092	0.008	65 17 29.3	16.252	0.110	0.04	71.9	30 112	65 1623
3406	9.0	21 36 48.08	+1.1176	−0.0199	−0.021	+ 68 11 38.9	+16.265	+0.088	−0.05	72.3	28 154	68 1236
3407	9.3	36 53.12	1.3681	0.0093	0.008	65 21 35.9	16.270	0.110	0.04	72.8	69 147	65 1625
3408	8.8	36 57.63	1.3839	0.0087	0.007	65 10 0.2	16.273	0.111	0.04	75.8	70 152 247 275	65 1626
3409	7.4	37 2.37	0.9385	0.0291	0.033	69 53 52.0	16.278	0.073	0.05	74.5	73 153 260	69 1189
3410	8.7	37 3.20	1.2068	0.0159	0.016	67 17 9.1	16.278	0.096	0.04	72.3	27 155	67 1338
3411	7.7	21 37 21.63	+1.1382	−0.0190	−0.020	+ 68 3 3.4	+16.294	+0.090	−0.05	72.8	71 154	67 1339
3412	8.4[2]	37 24.42	1.1852	0.0169	0.017	67 33 49.3	16.296	0.094	0.04	72.8	72 155	67 1340
3413	8.8	37 45.68	1.0967	0.0210	0.022	68 31 2.4	16.314	0.086	0.05	72.8	73 154	68 1238
3414	8.3	37 53.82	1.1667	0.0178	0.018	67 49 13.8	16.321	0.092	0.05	76.1	72 155 260 270	67 1343
3415	8.3	38 1.11	1.3488	0.0101	0.009	65 45 9.1	16.327	0.107	0.04	76.1	69 152 260 270	65 1627
3416	9.2	21 38 13.92	+1.3839	−0.0088	−0.007	+ 65 20 11.1	+16.338	+0.110	−0.04	72.8	70 147	65 1628
3417	8.8	38 20.26	1.0598	0.0230	0.025	68 56 36.7	16.344	0.083	0.05	74.1 74.6	73 154 246	68 1239
3418	7.0	38 39.37[3]	0.9225	0.0304	0.035	70 12 58.4	16.360	0.071	0.06	75.5	73 153 270	70 1192
3419	9.0	38 46.04	1.2279	0.0151	0.015	67 16 4.3	16.365	0.096	0.04	72.5 72.7	72 76 155	67 1345
3420	8.1	38 57.05	0.9555	0.0286	0.033	69 57 57.3	16.375	0.073	0.05	74.1	73 153 246	69 1190
3421	9.0	21 38 58.18	+1.2841	−0.0127	−0.012	+ 66 39 19.7	+16.376	+0.101	−0.04	75.2	71 152 275	66 1428
3422	9.1	39 3.28	1.2381	0.0147	0.014	67 11 25.5	16.380	0.097	0.04	75.4 76.1	73 155 260 270	67 1348
3423	8.8	39 5.16	1.3238	0.0111	0.010	66 11 55.7	16.381	0.104	0.04	72.8	70 152	66 1429
3424	7.4	39 11.58	1.0516	0.0235	0.026	69 7 19.9	16.387	0.081	0.05	74.1	73 154 246	69 1191
3425	7.6	39 36.51	1.3626	0.0096	0.008	65 47 24.1	16.408	0.107	0.04	72.8	69 147	65 1634
3426	7.3	21 40 28.91	+1.1332	−0.0197	−0.021	+ 68 28 51.0	+16.452	+0.087	−0.05	74.1	72 153 246	68 1244
3427	8.7	40 50.93	1.2146	0.0159	0.016	67 40 32.7	16.470	0.094	0.04	76.1	71 154 259 275	67 1352
3428	9.2	41 27.35	1.2867	0.0128	0.012	66 56 49.8	16.500	0.100	0.04	72.8	70 152	66 1433
3429	9.2	41 30.91	1.3840	0.0089	0.007	65 46 31.4	16.503	0.108	0.04	74.5	69 147 260	65 1641
3430	8.0	42 3.33	1.2153	0.0160	0.016	67 49 18.4	16.530	0.093	0.04	74.5	71 155 259	67 1356
3431	9.1	21 42 23.31	+1.3800	−0.0090	−0.008	+ 65 56 43.2	+16.546	+0.107	−0.04	74.5	69 147 260	65 1643
3432	8.8	42 30.23	1.3831	0.0089	0.007	65 55 18.5	16.552	0.107	0.04	75.8 76.1	69 147 260 270	65 1644
3433	7.9	42 40.97	1.0657	0.0234	0.026	69 24 22.4	16.561	0.080	0.05	72.8	72 153	69 1193
3434	7.7	42 50.03	1.2826	0.0130	0.013	67 10 25.8	16.568	0.098	0.04	75.5	71 152 270	67 1357
3435	8.8	42 59.15	1.1121	0.0210	0.023	68 59 50.9	16.576	0.084	0.05	74.1	73 154 246	68 1247
3436	8.2	21 43 5.73	+1.4327	−0.0071	−0.005	+ 65 21 42.5	+16.581	+0.110	−0.04	74.1	70 112 155 259	65 1647
3437	7.6	43 41.54	1.0398	0.0250	0.029	69 46 1.7	16.611	0.078	0.05	72.8	72 153	69 1195
3438	8.9	44 9.33	1.2596	0.0142	0.014	67 36 23.8	16.633	0.095	0.04	73.1	70 152 156	67 1359
3439	8.8	44 41.96	1.0905	0.0224	0.025	69 25 1.4	16.660	0.081	0.05	72.5 72.7	72 74 154	69 1197
3440	6.0	44 48.51	1.0755	0.0232	0.026	69 34 18.5	16.665	0.080	0.05	74.5	73 153 261	69 1198
3441	8.4[4]	21 45 37.78	+1.1705	−0.0185	−0.020	+ 68 44 46.1	+16.705	+0.087	−0.05	74.2	74 154 247	68 1252
3442	8.7	45 42.62	1.3568	0.0101	0.009	66 41 6.8	16.709	0.102	0.04	73.1	70 152 156	66 1438
3443	8.7	45 44.78	1.4149	0.0078	0.006	65 57 51.4	16.711	0.107	0.04	76.6	69 112 270 275	65 1654
3444	8.8	45 52.24	1.0456	0.0250	0.029	69 58 40.3	16.717	0.077	0.05	73.9	73 76 153 260	69 1199
3445	7.4	46 12.86	1.2764	0.0136	0.013	67 41 26.5	16.733	0.095	0.04	75.5	72 155 271	67 1362
3446	6.2[5]	21 46 14.23	+1.4009	−0.0083	−0.007	+ 66 12 40.5	+16.734	+0.105	−0.04	74.1[6]	71 147 246	66 1441
3447	9.1	46 34.17	1.4020	0.0083	0.007	66 14 39.4	16.750	0.105	0.04	74.5	71 147 259	66 1442
3448	8.8	46 41.21	1.2969	0.0127	0.012	67 31 19.4	16.756	0.097	0.04	75.8	70 154 247 275	67 1365
3449	8.7	47 13.99	1.4806	0.0053	0.004	65 18 17.4	16.782	0.111	0.04	75.9	69 112 261 270	65 1662
3450	9.1	48 3.67	1.1114	0.0219	0.025	69 38 8.1	16.822	0.081	0.05	72.8	73 153	69 1202

[1] Ort unsicher [2] Einfach [3] 39s.06 39s.29 39s.76 [4] Einfach [5] Com. 10m [6] E.B.?

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3451	8.9	21h 48m 4s.57	+1s.0979	−0s.0226	−0s.026	+ 69° 45′ 55″.2	+16″.823	+0s.080	−0s.05	78.3	72 153 270 309	69° 1201
3452	8.2	48 8.19	1.4187	0.0077	−0.006	66 15 7.9	16.825	0.105	0.04	76.3	6 Beob. [1]	66 1446
3453	9.1	48 15.08	1.5051	0.0045	−0.003	65 6 58.2	16.831	0.112	0.04	72.4	69 112	65 1663
3454	...[2]	48 29 88	1.5041	0.0045	−0.003	65 9 58.2	16.843	0.112	0.04	74.5	70 147 259	65 1664
3455	9.2	48 47.40	1.4254	0.0074	−0.006	66 15 36.8	16.856	0.105	0.04	76.8	71 157 270 277	66 1447
3456	9.1	21 49 4.36	+1.3864	−0.0090	−0.008	+ 66 47 25.5	+16.870	+0.102	−0.04	75.3 75.4	6 Beob. [8]	[66 1448]
3457	8.9	49 29.99	1.3003	0.0127	−0.013	67 51 49.1	16.890	0.095	0.04	74.5	73 153 260	67 1368
3458	9.0	49 36.70	1.3726	0.0096	−0.009	67 2 3.9	16.895	0.101	0.04	72.8	70 154	66 1449
3459	9.2	49 41.69	1.4038	0.0083	−0.007	66 39 43.7	16.899	0.103	0.04	74.5	76 147 259	66 1451
3460	9.3	49 46.74	1.3926	0.0088	−0.008	66 48 48.7	16.903	0.102	0.04	76.8 76.2	156 157 270α 271	66 1450
3461	8.4	21 49 53.45	+1.3610	−0.0101	−0.009	+ 67 12 49.0	+16.908	+0.099	−0.04	74.1	71 156 157 246	67 1369
3462	8.7	50 9.45	1.3391	0.0110	−0.011	67 30 32.8	16.921	0.098	0.04	72.8 74.5	76 155 260∂	67 1370
3463	9.0	50 11.43	1.5306	0.0035	−0.002	65 2 41.3	16.923	0.113	0.04	75.2	69 112 275	64 1602
3464	8.7	50 16.56	1.5283	0.0036	−0.002	65 5 28.1	16.927	0.112	0.04	72.4	69 112	64 1603
3465	7.4	50 21.54	1.3408	0.0110	−0.010	67 31 4.0	16.930	0.098	0.04	74.4 75.1	76 155 247 260	67 1372
3466	7.0	21 50 22.65	+1.3070	−0.0125	−0.012	+ 67 54 30.1	+16.931	+0.095	−0.04	76.6 76.1	5 Beob. [4]	67 1371
3467	6.9	50 39.71	1.1989	0.0177	−0.020	69 6 25.1	16.945	0.086	0.04	72.8	74 153	69 1204
3468	9.0	51 1.24	1.4669	0.0058	−0.004	66 2 33.7	16.961	0.107	0.04	76.1	70 157 259 275	65 1675
3469	8.4	51 9.74	1.2900	0.0133	−0.014	68 12 24.8	16.968	0.093	0.04	72.8	76 154	68 1258
3470	7.8	51 17.14	1.3641	0.0100	−0.009	67 22 16.8	16.974	0.099	0.04	75.5	74 155 271	67 1374
3471	6.8	21 51 49.35	+1.3880	−0.0090	−0.008	+ 67 9 39.6	+16.999	+0.100	−0.04	74.1	72 155 246	67 1375
3472	7.0	52 1.46	1.5440	0.0030	−0.001	65 7 52.4	17.008	0.112	0.04	74.5	70 147 259	65 1680
3473	8.9	52 9.88	1.5494	0.0028	−0.001	65 4 32.6	17.015	0.112	0.04	72.4	69 112	64 1606
3474	9.0	52 17.89	1.1733	0.0192	−0.022	69 34 45.1	17.021	0.083	0.05	76.6 76.1	5 Beob. [5]	69 1205
3475	8.6	52 24.44	1.3965	0.0087	−0.008	67 8 27.2	17.026	0.100	0.04	74.1	72 154 247	67 1377
3476	7.6	21 52 27.16	+1.4783	−0.0054	−0.004	+ 66 6 10.7	+17.028	+0.107	−0.04	74.6	74 156 261	66 1455
3477	8.7	52 38.87	1.5001	0.0046	−0.003	65 50 20.4	17.037	0.108	0.04	78.5	152 270 271	65 1682
3478	8.7	52 44.45	1.5007	0.0046	−0.003	65 50 40.6	17.041	0.108	0.04	76.3 76.5	5 Beob. [6]	65 1683
3479	9.2	52 50.19	1.5015	0.0045	−0.003	65 50 53.8	17.046	0.108	0.04	77.0	71 259 261 276	65 1684
3480	9.0	52 51.65	1.5577	0.0025	0.000	65 3 48.8	17.047	0.112	0.04	72.4	69 112	64 1608
3481	8.7	21 53 37.56	+1.5740	−0.0019	0.000	+ 64 56 37.0	+17.082	+0.113	−0.04	75.6	70 112 246 275	64 1609
3482	7.4	53 37.74	1.5704	0.0020	0.000	64 59 52 4	17 082	0.113	0.04	72.8	69 147	64 1611
3483	7.1	53 48.83	1.5423	0.0030	−0.001	65 25 51.6	17.091	0.110	0.04	74.1	72 152 246	65 1690
3484	5.9	53 59.34	1.5350	0.0033	−0.001	65 33 37.5	17.099	0.110	0.04	73.2	71 156 157	65 1691
3485	7.9	54 9.39	1.3958	0.0088	−0.008	67 24 4.2	17.106	0.099	0.04	74.2	74 154 247	67 1380
3486	6.3	21 54 12.09	+1.5386	−0.0031	−0.001	+ 65 32 34.1	+17.108	+0.110	−0.04	72.8	71 156	65 1693
3487	7.7	54 30.91	1.4683	0.0058	−0.004	66 32 35.8	17.123	0.104	0.04	73.2	74 156 157	66 1463
3488	9.0	54 32.00	1.4310	0.0073	−0.006	67 1 20.2	17.123	0.101	0.04	72.8	73 155	66 1462
3489	8.8	54 32.04	1.4333	0.0072	−0.006	66 59 39.8	17.123	0.101	0.04	72.8	73 155	66 1461
3490	7.4	54 50.90	1.3451	0.0110	−0.011	68 5 58.3	17.138	0.095	0.04	72.5	72 76 153	68 1263
3491	8.1	21 54 55.37	+1.3453	−0.0110	−0.011	+ 68 6 26.8	+17.141	+0.095	−0.04	72.8	76 153	
3492	8.7	55 22.88	1.4643	0.0059	−0.005	66 43 30.2	17.162	0.103	0.04	72.8	70 147	66 1465
3493	9.2	56 29.48	1.5794	0.0016	0.000	65 18 59.9	17.212	0.111	0.04	72.4	69 112	65 1698
3494	8.7	56 33.46	1.5643	0.0021	0.000	65 32 38.2	17.215	0.110	0.04	72.8	70 147	65 1699
3495	7.8[7]	56 47.72	1.4298	0.0074	−0.006	67 22 22.9	17.226	0.099	0.04	74.1	71 152 247	67 1382
3496	8.8	21 56 57.55	+1.2984	−0.0133	−0.014	+ 68 55 11.2	+17.233	+0.090	−0.04	72.5	72 76 154	68 1264
3497	8.0	57 34.79	1.2278	0.0170	−0.020	69 44 39.7	17.261	0.084	0.05	74.5	73 153 260	69 1212
3498	7.8	57 44.71	1.5818	0.0015	+0.001	65 28 50.1	17.268	0.110	0.04	72.9	69 112 156	65 1704
3499	8.7	57 50.87	1.3476	0.0110	−0.011	68 30 3.9	17.273	0.092	0.04	74.6	72 76 154 275	68 1266
3500	9.2	57 51.70	1.3779	0.0097	−0.010	68 9 17.6	17.273	0.095	0.04	75.5 72.8	70 154 270α	68 1265

[1] Z. 71 152 156 247 275 276 [2] Dupl. 6m.5 & 7m.3 med., 3″ 145° [3] Z. 74 152α 155 156 246 271
[4] Z. 72 157 261 270α 271 [5] Z. 73 153 261 270α 271 [6] Z. 71 152 259 261 275 [7] Einfach

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3501	9.0	$21^h\,57^m\,54^s.53$	+1ˢ.2549	−0ˢ.0156	−0ˢ.018	+ 69°30′47″.9	+17″.275	+0ˢ.086	−0ˢ.04	73.8 74.5	74 153 259	69° 1213
3502	8.4	58 47.82	1.4378	−0.0071	−0.006	67 34 26.2	17.315	0.098	0.04	75.8	70 155 247 276	67 1384
3503	8.0	58 51.30	1.6108	−0.0004	+0.002	65 14 1.1	17.317	0.111	0.04	72.4	69 112	65 1708
3504	8.9	59 17.71	1.5603	−0.0022	0.000	66 2 9.5	17.337	0.107	0.04	76.1	71 147 259 275	65 1711
3505	6.1	59 28.92	1.6024	−0.0007	+0.001	65 27 33.0	17.345	0.110	0.04	72.8	73 147	65 1712
3506	8.0	21 59 32.02	+1.4407	−0.0069	−0.006	+ 67 38 56.4	+17.347	+0.098	−0.04	76.1	72 154 259 276	67 1386
3507	8.2	59 41.68	1.5198	−0.0037	−0.002	66 39 22.1	17.354	0.104	0.04	74.5 72.8	71 155 260α	66 1470
3508	8.8	22 0 17.27	1.5381	−0.0030	−0.001	66 30 5.2	17.380	0.105	0.04	72.8	73 155	66 1471
3509	8.5	0 47.59	1.3793	−0.0097	−0.010	68 34 15.7	17.402	0.093	0.04	72.8	74 155	68 1268
3510	8.7	0 48.06	1.6487	+0.0010	+0.003	64 58 49.7	17.402	0.112	0.04	74.2	78 112 247	64 1620
3511	8.5	22 0 50.15	+1.6391	+0.0007	+0.003	+ 65 7 57.9	+17.404	+0.111	−0.04	72.8	72 147	65 1717
3512	8.6	1 2.17	1.2840	−0.0144	−0.016	69 39 3.4	17.413	0.085	0.04	72.8	74 154	69 1215
3513	8.4	1 19.43	1.6506	+0.0011	+0.003	65 2 14.3	17.425	0.112	0.04	72.4	78 112	64 1622
3514	8.9	1 19.83	1.4439	−0.0068	−0.006	67 53 7.1	17.425	0.097	0.04	74.5	76 155 259	67 1391
3515	8.8	1 38.31	1.2972	−0.0138	−0.015	69 35 55	17.439	0.086	0.04	77.8	259	69 1216
3516	8.5	22 1 38.73	+1.2967	−0.0138	−0.015	+ 69 36 16.1	+17.439	+0.086	−0.04	75.5	73 154 276	
3517	8.2	1 43.61	1.4581	−0.0062	−0.005	67 46 9.1	17.443	0.098	0.04	74.2	76 155 247	67 1393
3518	8.3	1 56.01	1.5812	−0.0013	+0.001	66 10 0.7	17.452	0.106	0.04	74.5	72 156 261	66 1473
3519	8.8	1 57.53	1.6154	−0.0001	+0.002	65 40 29.1	17.453	0.109	0.04	75.5	71 147 270	65 1720
3520	8.5	2 27.09	1.5320	−0.0031	−0.001	66 55 42.6	17.474	0.102	0.04	72.9	76 156	66 1474
3521	8.3	22 2 39.18	+1.5949	−0.0008	+0.001	+ 66 5 15.5	+17.482	+0.106	−0.04	73.9	78 112 247	65 1722
3522	8.3	3 14.06	1.5837	−0.0011	+0.001	66 20 38.4	17.507	0.105	0.04	74.1	71 147 247	66 1475
3523	8.2	3 25.62	1.4589	−0.0062	−0.005	68 1 23.1	17.515	0.096	0.04	72.8	72 154	67 1396
3524	7.3	4 4.98	1.4937	−0.0047	−0.003	67 41 22.7	17.543	0.098	0.04	74.5	71 152 259	67 1402
3525	7.9	4 11.71	1.3299	−0.0123	−0.014	69 37 21.0	17.548	0.086	0.04	72.8	73 153	69 1219
3526	6.2	22 4 33.84	+1.2914	−0.0143	−0.017	+ 70 4 54.9	+17.564	+0.083	−0.04	72.8	74 153	69 1221
3527	8.4	4 50.95	1.4001	−0.0089	−0.009	68 56 28.9	17.576	0.091	0.04	72.9	76 157	68 1276
3528	7.8	5 1.54	1.4884	−0.0049	−0.004	67 54 22.7	17.583	0.097	0.04	74.2	78 156 247	67 1405
3529	7.7	5 20.67	1.3703	−0.0103	−0.011	69 21 11.5	17.597	0.088	0.04	72.9	74 157	69 1224
3530	7.5	5 26.70	1.3703	−0.0104	−0.011	69 22 8.2	17.601	0.088	0.04	72.9	74 157	69 1225
3531	8.0	22 5 35.28	+1.5218	−0.0035	−0.002	+ 67 34 6.3	+17.607	+0.099	−0.04	72.9	80 156	67 1408
3532	8.2	5 38.09	1.4110	−0.0084	−0.008	68 56 11.4	17.609	0.091	0.04	72.9	76 157	68 1278
3533	8.2	5 47.34	1.5592	−0.0020	0.000	67 6 16.4	17.615	0.101	0.04	74.5	78 147 259	67 1409
3534	8.2	5 48.44	1.6577	+0.0016	+0.004	65 41 27.9	17.616	0.108	0.04	75.6	80 112 247 276	65 1726
3535	9.1	6 4.26	1.5624	−0.0018	0.000	67 6 23.0	17.627	0.101	0.04	74.5	78 147 259	67 1410
3536	7.5	22 6 5.19	+1.3556	−0.0111	−0.012	+ 69 37 38.0	+17.628	+0.087	−0.04	73.1 73.2	76 157 158	69 1226
3537	8.7	6 6.16	1.4430	−0.0069	−0.006	68 38 0.0	17.628	0.093	0.04	73.2	80 157 159	68 1280
3538	9.0	6 39.33	1.3177	−0.0131	−0.015	70 6 59.4	17.651	0.084	0.04	72.8	74 153	70 1217
3539	7.9	6 50.95	1.6697	+0.0022	+0.005	65 41 20.2	17.659	0.108	0.04	73.9	78 112 247	65 1728
3540	8.9	7 39.15	1.6687	+0.0022	+0.005	65 50 42.3	17.693	0.107	0.04	73.9	78 112 247	65 1730
3541	8.3	22 7 41.75	+1.4779	−0.0053	−0.004	+ 68 27 43.6	+17.694	+0.094	−0.04	72.9	76 156	68 1283
3542	5.5[1]	7 47.61	1.3893	−0.0095	−0.010	69 30 54.6	17.698	0.088	0.04	73.8 74.5	74 153 259	69 1228
3543	8.3	8 6.87	1.4373	−0.0072	−0.007	69 0 58.5	17.712	0.091	0.04	72.9	80 156	68 1285
3544	7.8	8 8.57	1.5017	−0.0043	−0.003	68 14 20.8	17.713	0.095	0.04	75.8 75.5	78 147 259α 276	68 1286
3545	8.2	8 36.06	1.3781	−0.0101	−0.011	69 45 47.1	17.731	0.086	0.04	74.2	76 153 247	69 1229
3546	9.0	22 9 6.39	+1.6538	+0.0018	+0.005	+ 66 19 25.0	+17.752	+0.105	−0.04	72.4 72.6	78 112	66 1484
3547	8.3	9 27.57	1.4333	−0.0074	−0.007	69 16 25.5	17.766	0.089	0.04	74.5	74 156 259	69 1230
3548	7.3	9 44.62	1.5126	−0.0038	−0.002	68 21 49.2	17.778	0.095	0.04	72.8	76 155	68 1287
3549	8.7	9 48.34	1.5409	−0.0026	−0.001	68 0 42.0	17.781	0.096	0.04	72.8	80 147	67 1420
3550	8.5	10 12.07	1.5355	−0.0028	−0.001	68 8 51.2	17.796	0.096	0.04	73.6 74.2	80 155 247	68 1288

[1] Bor. seq.

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
3551	8.8	22h 10m 21.s53	+1.s6531	+0.s0019	+0.s004	+ 66°33′ 16.″2	+17.″803	+0.″103	−0.″04	72.5	80 112	66° 1488
3552	8.9	10 28.06	1.4160	−0.0083	−0.009	69 37 50.1	17.807	0.087	0.04	75.5	74 153 270	69 1231
3553	9.0	10 30.11	1.6412	+0.0014	+0.004	66 45 7.9	17.809	0.102	0.04	76.5	5 Beob. [1]	66 1489
3554	8.1	10 37.21	1.4279	−0.0077	−0.008	69 31 14.1	17.813	0.088	0.04	74.5	73 154 262	69 1232
3555	8.3	10 37.76	1.6726	+0.0026	+0.005	66 18 42.1	17.814	0.104	0.04	74.6 74.3	5 Beob. [2]	66 1490
3556	8.7	22 10 49.21	+1.4390	−0.0072	−0.007	+ 69 25 29.6	+17.821	+0.089	−0.04	76.9	76 260 276	69 1233
3557	7.6	10 57.33	1.4536	−0.0065	−0.006	69 16 34.9	17.827	0.090	0.04	72.8 75.5	76 153 270[3]	69 1234
3558	8.9	11 12.15	1.5522	−0.0020	0.000	68 5 55.4	17.837	0.096	0.04	74.2	78 155 247	68 1289
3559	7.7	11 50.67	1.4571	−0.0063	−0.006	69 22 42.2	17.862	0.089	0.04	75.1	73 153 154 271	69 1236
3560	9.0	12 29.89	1.5751	−0.0010	+0.001	68 0 59.4	17.888	0.096	0.04	74.1	71 147 247	67 1422
3561	8.8	22 13 2.79	+1.6044	+0.0002	+0.003	+ 67 42 58.2	+17.910	+0.098	−0.04	74.6 75.0	72 78 147 276	67 1424
3562	6.9	13 31.73	1.7576	+0.0057	+0.009	65 30 14.7	17.929	0.107	0.04	72.9	71 112 155	65 1746
3563	8.9	13 32.23	1.7714	+0.0061	+0.009	65 16 34.8	17.929	0.108	0.04	71.8	23 111	65 1745
3564	8.4	13 45.51	1.4906	−0.0047	−0.004	69 17 45.4	17.938	0.090	0.04	76.1	73 153 259 276	69 1237
3565	7.3	14 26.84	1.4885	−0.0048	−0.004	69 26 4.4	17.965	0.089	0.04	73.9	73 76 154 260	69 1238
3566	8.8	22 14 55.26	+1.8033	+0.0073	+0.010	+ 64 59 57.9	+17.983	+0.109	−0.05	73.5	23 111 247	64 1645
3567	8.5	15 2.32	1.6017	+0.0002	+0.002	68 6 4.4	17.988	0.096	0.04	72.8	74 154	68 1293
3568	8.9	15 13.57	1.7294	+0.0050	+0.008	66 16 33.5	17.995	0.104	0.04	74.8	71 112 155 270	66 1498
3569	7.1	15 38.61	1.6311	+0.0014	+0.004	67 48 23.4	18.011	0.097	0.04	72.5	72 76 147	67 1426
3570	9.0	15 57.41	1.5198	−0.0033	−0.002	69 18 33.8	18.023	0.090	0.04	74.5	74 153 259	69 1241
3571	8.7	22 16 7.71	+1.7700	+0.0064	+0.010	+ 65 47 37.6	+18.030	+0.105	−0.04	71.9	23 78 111	65 1754
3572	9.3	16 37.55	1.6454	+0.0021	+0.005	67 46 57.3	18.049	0.097	0.04	74.5	71 147 259	67 1428
3573	8.2	16 43.25	1.4570	−0.0063	−0.006	70 10 30.0	18.052	0.085	0.04	74.1	73 153 247	70 1229
3574	7.1	17 16.12	1.5834	−0.0004	+0.002	68 44 8.3	18.073	0.092	0.04	75.5	74 154 276	68 1295
3575	8.6	17 17.45	1.7911	+0.0073	+0.011	65 40 5.4	18.074	0.106	0.05	71.9	23 78 111	65 1758
3576	7.7	22 17 17.48	+1.7504	+0.0060	+0.009	+ 66 20 3.9	+18.074	+0.103	−0.04	72.9	72 112 155	66 1501
3577	8.8	17 59.07	1.6889	+0.0039	+0.007	67 24 19.3	18.100	0.098	0.04	73.9 74.1	72 76 147 260	67 1432
3578	7.0[3]	18 2.14	1.7753	+0.0069	+0.010	66 4 31.8	18.102	0.104	0.04	75.2	71 112 270	65 1759
3579	7.5	18 31.95	1.5299	−0.0028	−0.002	69 37 38.8	18.121	0.088	0.04	74.1	73 153 247	69 1245
3580	9.1	18 41.93	1.7886	+0.0074	+0.011	65 59 8.7	18.127	0.104	0.04	71.9	23 78 111	65 1760
3581	7.8	22 18 54.42	+1.5838	−0.0003	+0.002	+ 69 1 6.6	+18.135	+0.091	−0.04	72.8	74 154	68 1298
3582	8.2	19 18.41	1.7628	+0.0067	+0.010	66 31 27.7	18.150	0.102	0.04	72.9	71 112 155	66 1503
3583	9.0	20 4.06	1.4987	−0.0042	−0.004	70 15 36.6	18.178	0.085	0.04	74.1	73 153 247	70 1233
3584	9.1	20 18.69	1.8251	+0.0088	+0.012	65 41 26.1	18.187	0.104	0.05	71.8	23 111	65 1764
3585	9.2	20 23.15	1.8300	+0.0089	+0.013	65 37 9.9	18.190	0.105	0.05	72.3	72 78 112	65 1765
3586	8.3	22 20 59.31	+1.7762	+0.0073	+0.011	+ 66 38 23.6	+18.212	+0.101	−0.04	73.2	76 147 155	66 1507
3587	8.6	21 20.28	1.6147	+0.0012	+0.004	69 3 13.5	18.224	0.091	0.04	74.6 75.0	72 73 153 276	68 1301
3588	9.4	21 40.65	1.6044	+0.0008	+0.003	69 14 56.9	18.237	0.090	0.04	72.8	74 154	— —
3589	8.4	21 44.33	1.7443	+0.0064	+0.010	67 17 17.1	18.239	0.098	0.04	72.4	71 111	67 1437
3590	7.8	22 28.00	1.6147	+0.0013	+0.004	69 15 30.9	18.265	0.089	0.04	72.8	74 154	69 1250
3591	6.7	22 22 42.96	+1.6810	+0.0041	+0.007	+ 68 24 28.2	+18.274	+0.093	−0.04	72.8	76 154	68 1303
3592	5.6	22 46.84	1.5493	−0.0017	0.000	70 8 3.4	18.277	0.085	0.04	74.5	73 153 259	70 1240
3593	9.1	22 53.52	1.7834	+0.0079	+0.012	66 54 7.5	18.281	0.099	0.04	75.3	23 111 247 276	66 1510
3594	8.9	23 6.21	1.7281	+0.0060	+0.010	67 47 58.7	18.288	0.096	0.04	74.5	76 147 260	67 1439
3595	9.1	24 14.55	1.8651	+0.0106	+0.015	65 48 2.8	18.329	0.103	0.05	73.5	23 111 247	65 1770
3596	7.7	22 24 36.00	+1.5737	−0.0004	+0.002	+ 70 9 47.6	+18.342	+0.085	−0.04	72.8	73 153	70 1243
3597	8.9	24 57.39	1.7868	+0.0083	+0.013	67 15 46.7	18.354	0.097	0.04	75.5	76 155 270	67 1441
3598	9.0	25 4.31	1.8547	+0.0105	+0.015	66 9 26.0	18.358	0.101	0.05	74.5	78 147 260	66 1514
3599	9.2	25 16.04	1.6475	+0.0030	+0.006	69 20 49.3	18.365	0.089	0.04	72.8	74 154	69 1252
3600	8.4	25 41.06	1.6038	+0.0011	+0.004	69 59 18.4	18.380	0.086	0.04	76.1	73 153 260 270	69 1253

[1] Z. 80 147 261 262 270 [2] Z. 72 80 111 168 276 [3] Com. 8m pos. 120°

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
3601	9.5	$22^h 25^m 45^s.7$	+1ˢ.8595	+0ˢ.0108	+0ˢ.015	+ 66°13′ 8″	+18″.383	+0″.100	−0″.05	80.8	271	— —
3602	7.7	25 48.55	1.6964	0.0051	0.009	68 46 58.7	18.384	0.091	0.04	75.5	74 155 270	68° 1307
3603	8.2	25 48.89	1.8817	0.0114	0.016	65 50 14.3	18.384	0.102	0.05	71.8	23 111	65 1774
3604	8.2	26 1.38	1.7835	0.0084	0.013	67 31 52.0	18.392	0.096	0.05	75.5	78 156 276	67 1442
3605	7.6	26 3.13	1.7807	0.0083	0.013	67 34 50.7	18.393	0.096	0.05	74.5	78 156 260	67 1443
3606	7.1	22 26 6.01	+1.6252	+0.0021	+0.005	+ 69 47 40.7	+18.394	+0.087	−0.04	76.1	76 154 260 270	69 1256
3607	9.3	26 14.47	1.8641	0.0110	0.015	66 14 26.3	18.399	0.100	0.05	74.2	147 193	[66 1516]
3608	8.7	26 28.81	1.8905	0.0118	0.016	65 49 20.2	18.408	0.102	0.05	71.8	23 111	65 1776
3609	8.3	26 32.62	1.7114	0.0058	0.010	68 42 47.6	18.410	0.091	0.04	75.8 76.1	74 155 259 271	68 1308
3610	6.9	26 33.32	1.6520	0.0033	0.007	69 31 48.5	18.410	0.088	0.04	76.1	73 153 259 276	69 1257
3611	8.9	22 26 35.47	+1.8674	+0.0111	+0.016	+ 66 15 25.7	+18.411	+0.100	−0.05	74.6 74.9	5 Beob. [1]	66 1517
3612	9.1	26 53.92	1.8337	0.0102	0.015	66 54 0.1	18.422	0.098	0.05	74.1	71 155 247	66 1518
3613	9.1	27 28.16	1.7349	0.0068	0.011	68 33 26.9	18.442	0.091	0.04	73.9 74.2	73 76 154 260	68 1309
3614	9.2	28 10.42	1.8590	0.0112	0.016	66 44 26.2	18.466	0.098	0.05	75.2	71 112 276	66 1520
3615	8.8	28 22.98	1.9024	0.0125	0.017	66 1 13.7	18.473	0.100	0.05	71.8	23 111	65 1778
3616	7.1	22 28 27.04	+1.8489	+0.0110	+0.016	+ 66 58 19.8	+18.475	+0.097	−0.05	73.9	155 168	66 1522
3617	8.0	28 29.66	1.8765	0.0118	0.017	66 30 25.6	18.477	0.098	0.05	72.9	80 156	66 1521
3618	8.1	28 43.85	1.9422	0.0136	0.018	65 21 18.4	18.485	0.102	0.05	74.1	72 147 247	65 1780
3619	9.4	28 51.48	1.8258	0.0103	0.015	67 26 28.7	18.489	0.095	0.05	74.2	155 193	67 1448
3620	8.9	29 1.17	1.9109	0.0129	0.018	66 0 21.4	18.495	0.100	0.05	72.4	78 111	65 1781
3621	8.6	22 29 8.94	+1.8836	+0.0121	+0.017	+ 66 31 34.3	+18.499	+0.098	−0.05	75.6	80 156 276	66 1523
3622	7.8	29 20.81	1.8061	0.0097	0.015	67 51 37.1	18.506	0.094	0.05	74.2	157 194	67 1450
3623	5.9[2]	29 25.49	1.7125	0.0062	0.011	69 15 59.1	18.508	0.088	0.04	75.5[8]	74 153 271	69 1262
3624	6.4[4]	29 44.98	1.6834	0.0051	0.009	69 43 40.6	18.519	0.086	0.04	74.5	76 154 259	69 1263
3625	8.7	29 46.90	1.7051	0.0060	0.010	69 26 20.8	18.520	0.087	0.04	73.2	76 154 158	69 1264
3626	7.1	22 29 46.94	+1.9632	+0.0144	+0.019	+ 65 11 8.8	+18.520	+0.102	−0.05	73.8	23 147 247	65 1782
3627	8.9	30 32.72	1.8221	0.0105	0.016	67 51 33.0	18.546	0.093	0.05	73.5	78 155 194	67 1451
3628	8.1	30 55.24	1.9511	0.0143	0.019	65 40 50.2	18.558	0.100	0.05	75.1 75.5	80 147α 156 271	65 1784
3629	8.5	30 55.69	1.9550	0.0144	0.019	65 36 28.7	18.559	0.100	0.05	72.8	23 111 194	65 1783
3630	8.4	31 7.23	1.8768	0.0124	0.018	67 4 27.6	18.565	0.095	0.05	76.6	157 168 262 271	66 1527
3631	9.2	22 31 18.17	+1.9119	+0.0134	+0.019	+ 66 29 50.9	+18.571	+0.097	−0.05	72.9	80 157	66 1528
3632	9.0	31 27.29	1.9190	0.0137	0.019	66 24 7.0	18.576	0.097	0.05	74.2	80 157 247	66 1529
3633	8.1	31 35.79	1.7813	0.0093	0.014	68 42 42.6	18.581	0.090	0.05	73.9	155 168	68 1315
3634	8.7	31 45.07	1.8652	0.0122	0.018	67 24 39.0	18.586	0.094	0.05	76.4	156 193 271	67 1452
3635	7.2	32 3.64	1.7268	0.0072	0.012	69 35 42.9	18.596	0.086	0.04	72.9	76 158	69 1269
3636	8.9	22 32 5.61	+1.9770	+0.0153	+0.020	+ 65 26 56.1	+18.597	+0.100	−0.05	72.8	23 111 194	65 1786
3637	8.9	32 11.87	1.7406	0.0078	0.013	69 25 45.9	18.600	0.087	0.04	76.1 76.5	158 168α 194 276	69 1270
3638	8.5	32 20.94	1.8112	0.0105	0.016	68 24 46.7	18.605	0.091	0.05	75.5	80 157 271	68 1316
3639	9.2	33 18.60	1.7621	0.0088	0.014	69 21 4.6	18.637	0.087	0.04	72.9	76 158	69 1271
3640	8.1	33 26.40	1.8859	0.0132	0.019	67 25 56.1	18.641	0.093	0.05	76.1	78 156 262 271	67 1454
3641	7.0	22 33 30.78	+1.8178	+0.0110	+0.017	+ 68 33 34.8	+18.643	+0.089	−0.05	72.9	80 157	68 1319
3642	7.4	33 59.66	1.9973	0.0162	0.021	65 29 40.0	18.659	0.099	0.05	72.3	78 80 111	65 1789
3643	9.0	35 10.34	2.0211	0.0171	0.022	65 17 35.0	18.696	0.099	0.05	73.9	76 111 247	65 1794
3644	8.5	36 5.30	1.9713	0.0162	0.022	66 30 7.4	18.725	0.095	0.05	73.2	74 156 158	66 1535
3645	8.3	36 17.43	1.8990	0.0143	0.020	67 51 5.8	18.731	0.091	0.05	73.0	73 153 154	67 1457
3646	7.3	22 36 37.40	+2.0109	+0.0173	+0.023	+ 65 51 25.5	+18.742	+0.096	−0.05	75.9[5]	6 Beob. [6]	65 1796
3647	8.7	37 29.18	1.8630	0.0134	0.020	68 43 6.9	18.768	0.088	0.05	72.9	73 76 153 157	68 1325
3648	8.2	38 18.40	2.0706	0.0190	0.024	65 1 35.3	18.794	0.097	0.06	72.4	23 78 111 160	64 1702
3649	9.3	39 17.58	1.9818	0.0174	0.024	67 4 36.1	18.824	0.092	0.05	73.4	73 147 161 168	66 1539
3650	8.6	39 18.11	1.9816	0.0174	0.024	67 4 59.3	18.824	0.092	0.05	73.4	73 147 161 168	

[1] Z. 78 80 147 193 270 [2] Einfach [3] E.B. +0ˢ.0196 +0″.065 (BB VII) [4] Com. $9^m.5$ 10″ 50°
[5] E.B. +0ˢ.0350 +0″.372 (BB VII) [6] Z. 23 80 111 262 271 276

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3651	9.0	22h 40m 12s.16	+2s.0693	+0s.0196	+0s.025	+ 65° 32′ 33″.8	+18″.851	+0″.095	−0″.06	72.7	5 Beob. [1]	65° 1803
3652	8.6[2]	40 53.36	1.9814	0.0179	0.025	67 28 31.8	18.871	0.090	0.05	73.9	73 76 147 262	67 1463
3653	8.8	41 5.37	1.9900	0.0182	0.025	67 21 51.8	18.877	0.090	0.05	73.2	74 153 159	67 1464
3654	9.0	41 12.68	2.0799	0.0201	0.026	65 34 35.7	18.881	0.094	0.06	73.6	23 111 156 247	65 1804
3655	8.9	41 38.48	1.8439	0.0138	0.021	69 57 5.2	18.893	0.082	0.05	74.5	74 153 259	69 1278
3656	9.1	22 41 56.24	+2.0873	+0.0205	+0.027	+ 65 36 30.0	+18.902	+0.094	−0.06	75.6 76.0	78 111 247 276	65 1805
3657	9.0	42 23.95	1.9287	0.0169	0.025	68 46 37.3	18.916	0.085	0.05	74.6	74 158 262	— —
3658	8.7	42 38.34	1.9315	0.0170	0.025	68 47 8.6	18.923	0.085	0.05	76.1	73 158 262 271	68 1330
3659	8.9	43 21.42	2.0767	0.0208	0.027	66 12 47.9	18.943	0.091	0.06	72.9	78 157	66 1545
3660	7.6	43 33.79	2.0767	0.0209	0.028	66 16 6.6	18.949	0.091	0.06	72.9	78 157	66 1546
3661	9.2	22 43 47.70	+2.0615	+0.0207	+0.028	+ 66 38 46.8	+18.956	+0.090	−0.06	75.5	80 157 271	66 1548
3662	8.8	43 59.63	1.9720	0.0186	0.027	68 24 52.3	18.962	0.086	0.05	76.2	158 168 271	68 1331
3663	9.0	44 26.27	1.9896	0.0192	0.027	68 12 29.6	18.974	0.086	0.05	73.9	158 168	68 1332
3664	8.0	44 36.68	2.1321	0.0222	0.028	65 19 35.9	18.979	0.092	0.06	72.9	80 156	65 1811
3665	9.0	44 41.79	2.1234	0.0221	0.028	65 32 52.5	18.981	0.092	0.06	75.1 75.8	23 156 262 271	65 1812
3666	...[3]	22 44 45.58	+2.0102	+0.0199	+0.028	+ 67 54 27.6	+18.983	+0.086	−0.05	72.9	80 157	67 1468
3667	6.7[4]	45 10.08	2.1139	0.0222	0.029	65 53 33.1	18.995	0.091	0.06	75.9	78 156 262 276	65 1813
3668	**3.4**	**45 14.10**	**2.1302**	**0.0224**	**0.029**	**65 32 35.6**	**18.997**	**0.091**	**0.06**		**Fund. Cat. [5]**	**65 1814**
3669	8.5	46 4.16	2.0974	0.0222	0.029	66 30 9.8	19.020	0.089	0.06	75.6	80 157 276	66 1552
3670	8.9	46 5.78	1.9535	0.0188	0.028	69 15 28.4	19.021	0.082	0.05	74.7 75.3	158 168 262	69 1281
3671	7.9	22 46 7.96	+2.0389	+0.0211	+0.029	+ 67 42 56.9	+19.022	+0.086	−0.05	73.1 72.8	80 157α 159	67 1469
3672	8.5	46 11.66	2.0358	0.0210	0.029	67 47 32.2	19.023	0.086	0.05	73.9	159 168	67 1470
3673	7.1	46 20.35	2.1203	0.0227	0.030	66 4 31.2	19.027	0.090	0.06	75.6	23 156 248 276	65 1817
3674	9.0	47 10.82	2.1622	0.0236	0.030	65 20 48.4	19.050	0.090	0.06	72.9	78 156	65 1821
3675	7.3	48 5.92	2.0846	0.0228	0.031	67 19 37.7	19.075	0.086	0.06	72.9	80 159	67 1471
3676	9.0	22 48 13.45	+1.9273	+0.0187	+0.029	+ 70 12 46.4	+19.079	+0.079	−0.05	76.1	76 158 262 271	70 1278
3677	6.8	48 17.72	2.0874	0.0229	0.031	67 19 24.1	19.081	0.086	0.06	73.9	159 168	67 1475
3678	9.1	48 20.41	1.9310	0.0189	0.029	70 10 57.0	19.082	0.079	0.05	73.9 74.6	76 158 262	70 1279
3679	8.0	48 21.77	2.1512	0.0240	0.031	65 56 44.0	19.083	0.088	0.06	73.1	23 156 194	65 1826
3680	9.0	48 32.26	2.1585	0.0242	0.031	65 49 36.2	19.087	0.088	0.06	75.5	78 147 271	65 1827
3681	8.2	22 49 9.16	+2.1426	+0.0242	+0.032	+ 66 22 12.7	+19.104	+0.087	−0.06	72.9	80 157	66 1556
3682	8.8	49 49.69	2.1586	0.0247	0.032	66 11 54.9	19.122	0.087	0.06	74.2	78 147 248	66 1558
3683	9.4	49 59.81	2.0339	0.0225	0.032	68 49 58.3	19.126	0.081	0.05	73.9	159 168	68 1339
3684	9.0	50 7.94	2.0629	0.0232	0.033	68 19 7.4	19.130	0.082	0.06	77.6	159 193 271 276	68 1340
3685	9.3	50 15.47	2.1219	0.0244	0.033	67 8 37.0	19.133	0.085	0.06	72.9	80 160	67 1479
3686	8.6	22 50 42.63	+2.1885	+0.0255	+0.033	+ 65 45 6.9	+19.145	+0.087	−0.06	75.5 75.8	23 147 262 271	65 1830
3687	7.7	51 11.26	2.0073	0.0223	0.033	69 37 48.7	19.157	0.078	0.05	76.4	158 193 272	69 1288
3688	9.0	51 12.56	2.0701	0.0238	0.034	68 28 24.9	19.158	0.081	0.06	76.2	159 168 272	68 1341
3689	8.0	51 15.51	2.0969	0.0244	0.034	67 57 4.8	19.159	0.082	0.06	74.3	160 194	67 1481
3690	8.5	51 29.11	2.1178	0.0249	0.034	67 34 52.8	19.165	0.083	0.06	74.3	160 194	67 1482
3691	7.9	22 51 30.38	+2.1858	+0.0258	+0.033	+ 66 3 22.4	+19.165	+0.086	−0.06	72.9	78 156	65 1833
3692	8.6	51 35.94	2.1829	0.0258	0.034	66 9 10.6	19.168	0.085	0.06	74.2	80 157 248	66 1563
3693	9.1	51 43.42	1.9804	0.0217	0.033	70 13 52.4	19.171	0.077	0.05	73.5	76 158 194	70 1285
3694	8.9	52 15.79	2.2045	0.0264	0.034	65 49 53.1	19.185	0.085	0.06	75.5 75.8	23 157 262 273	65 1834
3695	8.3	52 17.30	2.1703	0.0260	0.034	66 39 15.0	19.185	0.084	0.06	77.4	160 168 271 272	66 1565
3696	8.8	22 52 39.78	+2.2273	+0.0267	+0.034	+ 65 22 51.9	+19.195	+0.086	−0.07	72.9	80 156	65 1836
3697	8.9	52 41.45	2.1067	0.0252	0.035	68 9 27.9	19.196	0.081	0.06	74.2	159 193	68 1344
3698	8.9	52 46.27	2.2450	0.0269	0.034	64 57 14.7	19.198	0.087	0.07	74.2	78 147 248	64 1737
3699	8.8	52 52.97	2.2136	0.0267	0.034	65 47 46.8	19.200	0.085	0.06	76.6	23 157 271 276	65 1837
3700	8.2	53 18.44	2.1352	0.0260	0.036	67 44 18.2	19.211	0.081	0.06	73.9	160 168	67 1485

[1] Z. 23 80 111 156 157 [2] 9m.3 2″.190°, 9m.6 8″.215° [3] Dupl. 6m.1 & 6m.5 med., 7″ 70° [4] 9m 3″ bor.
[5] E.B. −0s.0142 −0″.140

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3701	...[1]	22h 53m 49s.26	+2s.2001	+0s.0271	+0s.035	+ 66° 25′ 5″.0	+19″.224	+0″.083	−0″.06	75.3	78 147 194 276	66° 1569
3702	8.9	53 53.71	2.1714	0.0268	0.036	67 6 40.7	19.226	0.082	0.06	75.9	80 156 248 271	67 1489
3703	8.6	54 13.10	2.1187	0.0262	0.037	68 21 2.4	19.234	0.079	0.06	73.9	159 168	68 1345
3704	8.9	54 13.92	2.0776	0.0253	0.037	69 10 12.6	19.234	0.078	0.06	76.4	158 193 272	69 1291
3705	7.8	54 45.39	2.0353	0.0246	0.037	70 5 38.6	19.247	0.075	0.05	74.6	76 158 262	69 1292
3706	7.8	22 55 19.88	+2.1832	+0.0277	+0.037	+ 67 16 44.9	+19.261	+0.080	−0.06	74.2	78 147 248	67 1490
3707	8.8	55 32.21	2.1735	0.0277	0.038	67 33 47.7	19.266	0.080	0.06	76.1	80 156 262 271	67 1491
3708	9.2	55 41.23	2.2497	0.0284	0.036	65 45 58.0	19.270	0.083	0.07	74.6	23 111 160 271	65 1838
3709	8.1	56 4.61	2.1068	0.0269	0.039	69 7 49.3	19.279	0.076	0.06	73.5	76 158 193	69 1294
3710	9.2	57 0.92	2.2906	0.0293	0.037	65 5 56.5	19.302	0.082	0.07	72.8	23 111α 147 160	64 1745
3711	8.3	22 57 2.07	+2.2127	+0.0288	+0.039	+ 67 7 18.5	+19.302	+0.079	−0.07	74.2	78 156 248	67 1493
3712	8.4	57 7.25	2.1512	0.0282	0.040	68 31 54.4	19.304	0.077	0.06	76.7	159 168 262 271	68 1349
3713	8.8	57 7.41	2.1860	0.0286	0.039	67 46 8.4	19.304	0.078	0.06	76.9	80 157 272 276	67 1495
3714	8.8	57 44.23	2.1106	0.0278	0.041	69 32 26.8	19.319	0.074	0.06	73.5	76 158 193	69 1297
3715	9.1	58 1.28	2.2787	0.0298	0.038	65 46 1.3	19.325	0.080	0.07	73.0	23 147 194	65 1842
3716	9.0	22 58 31.75	+2.1131	+0.0283	+0.042	+ 69 43 34.5	+19.337	+0.073	−0.06	74.6	76 158 262	69 1300
3717	5.5	58 47.54	2.2594	0.0302	0.040	66 32 8.7	19.343	0.079	0.07	74.2[2]	78 147 248	66 1575
3718	7.5	59 51.30	2.1213	0.0292	0.043	69 57 36.6	19.368	0.072	0.06	74.6	76 158 262	69 1303
3719	7.7	23 0 11.52	2.2296	0.0308	0.042	67 44 13.7	19.375	0.076	0.07	75.9[3]	78 159 248 272	67 1498
3720	8.2	0 16.56	2.2746	0.0311	0.041	66 38 28.9	19.377	0.077	0.07	73.9	156 168	66 1577
3721	9.2	23 0 26.36	+2.2845	+0.0313	+0.041	+ 66 26 11.3	+19.381	+0.077	−0.07	72.9	80 157	66 1578
3722	9.3	0 30.34	2.2876	0.0313	0.041	66 22 34.5	19.382	0.077	0.07	76.2	80 157 262 272	66 1580
3723	8.7	0 38.12	2.2846	0.0314	0.041	66 30 8.3	19.385	0.077	0.07	76.4	160 193 271	66 1581
3724	9.0	0 42.30	2.3024	0.0314	0.040	66 2 35.0	19.387	0.078	0.07	75.6	80 156 276	65 1847
3725	8.8	1 2.43	2.2042	0.0311	0.044	68 36 5.4	19.394	0.073	0.07	76.4	159 194 271	68 1353
3726	8.9	23 1 44.25	+2.2944	+0.0321	+0.042	+ 66 37 25.4	+19.410	+0.076	−0.07	75.3	160 168 262	66 1583
3727	9.1	1 56.06	2.2947	0.0322	0.042	66 41 3.9	19.414	0.075	0.07	73.9	160 168	66 1584
3728	8.9	2 0.74	2.2772	0.0322	0.043	67 10 15.4	19.416	0.075	0.07	74.3	161 194	67 1499
3729	8.9	2 21.66	2.3384	0.0324	0.041	65 36 47.1	19.423	0.076	0.08	75.1	160 194 247	65 1849
3730	9.1	2 38.53	2.2830	0.0326	0.044	67 14 23.8	19.429	0.074	0.07	76.5	161 195 272	67 1500
3731	7.3	23 2 44.09	+2.3652	+0.0325	+0.040	+ 64 56 27.3	+19.431	+0.077	−0.08	75.7	80 111 248 277	64 1758
3732	7.2[4]	2 48.10	2.1657	0.0317	0.047	69 59 6.6	19.433	0.070	0.06	76.5	159 193 272	69 1307
3733	8.5	3 13.22	2.1581	0.0319	0.048	70 16 8.5	19.442	0.069	0.06	76.4	159 193 272	70 1304
3734	8.4	3 58.44	2.3658	0.0333	0.042	65 23 19.9	19.458	0.075	0.08	73.9	80 111 248	65 1850
3735	9.0	4 7.34	2.2126	0.0332	0.048	69 25 22.8	19.461	0.069	0.07	74.3	161 193	69 1308
3736	8.8	23 4 12.17	+2.3338	+0.0337	+0.044	+ 66 25 13.4	+19.463	+0.074	−0.07	73.9	160 168	66 1586
3737	8.7	4 21.55	2.3720	0.0335	0.042	65 20 41.4	19.466	0.075	0.08	75.6	80 111 248 272	65 1851
3738	8.5	4 39.33	2.2907	0.0340	0.046	67 45 3.8	19.472	0.072	0.07	76.5	161 195 277	67 1503
3739	8.6	4 42.14	2.2166	0.0337	0.049	69 31 32.2	19.473	0.069	0.07	76.5	159 193 277	69 1310
3740	8.9	4 44.16	2.2148	0.0337	0.049	69 34 33.3	19.474	0.069	0.07	76.5	159 193 277	69 1311
3741	6.7	23 4 59.84	+2.3391	+0.0342	+0.045	+ 66 33 49.6	+19.479	+0.073	−0.08	76.2	160 168 272	66 1587
3742	8.4	5 8.67	2.2896	0.0344	0.047	67 57 14.4	19.483	0.071	0.07	74.3	161 195	67 1504
3743	8.1	5 20.23	2.2846	0.0345	0.048	68 8 51.3	19.487	0.070	0.07	74.2	159 166 195	68 1358
3744	9.0[5]	5 59.49	2.3957	0.0345	0.043	65 13 54.8	19.500	0.073	0.08	74.2	157 194	65 1856
3745	9.1	6 21.69	2.3638	0.0351	0.045	66 21 46.5	19.507	0.072	0.08	75.6 76.4	160 194 272	66 1590
3746	9.0	23 6 27.73	+2.4074	+0.0347	+0.043	+ 65 2 15.9	+19.510	+0.073	−0.08	78.1	168 248 271 277	64 1770
3747	9.2	6 48.51	2.4122	0.0349	0.043	65 1 1.4	19.517	0.072	0.08	78.2 79.3	111 271 277	[64 1772]
3748	9.0	6 57.25	2.3527	0.0356	0.047	66 54 56.5	19.519	0.070	0.08	76.5	157 194 277	66 1592
3749	8.9	7 1.10	2.2824	0.0358	0.050	68 48 6.7	19.521	0.068	0.07	74.3	158 195	68 1359
3750	8.8	7 43.32	2.3687	0.0360	0.047	66 44 46.2	19.535	0.070	0.08	75.1	161 194 248	66 1595

[1] Dupl. 9m & 9m.1 med., 2″ 270° [2] E.B. +0s.001 +0″.002 [3] E.B. +0s.0995 +0″.134 (BB VII) [4] Einfach
[5] 9m.3 praec. 1s.3 A. 1″.5

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3751	8.6	23h 7m 48.66	+2.3265	+0.0364	+0.050	+ 67° 57′ 58.6	+19.536	+0.068	−0.07	76.5	159 195 272	67° 1508
3752	9.2	7 54.26	2.4108	0.0357	0.045	65 30 38.5	19.538	0.071	0.08	73.2 73.5	80 111 196	65 1858
3753	7.8	8 0.78	2.3842	0.0361	0.047	66 23 45.4	19.541	0.070	0.08	76.4	160 194 272	66 1596
3754	9.1	8 7.32	2.3895	0.0362	0.046	66 16 27.4	19.543	0.070	0.08	75.2	157 168 262	66 1597
3755	8.8	8 14.29	2.2473	0.0366	0.054	70 3 9.6	19.545	0.065	0.07	76.0	158 196 197 276	69 1317
3756	8.9	23 9 0.84	+2.4358	+0.0362	+0.045	+ 65 7 58.0	+19.560	+0.070	−0.08	74.9	78 111 160 271	65 1862
3757	8.9	9 18.48[1]	2.2609	0.0375	0.056	70 7 25.7	19.566	0.064	0.07	73.4 73.8	68 158 193 197δ	70 1310
3758	9.0	10 2.83	2.2734	0.0382	0.057	70 6 14.3	19.580	0.063	0.07	76.0 76.2	159 193 195 276	69 1318
3759	8.9	10 3.37	2.3417	0.0381	0.053	68 24 50.6	19.580	0.065	0.08	73.9	159 161 168	68 1362
3760	8.3	10 4.87	2.3873	0.0378	0.050	67 7 47.3	19.580	0.067	0.08	74.2	78 157 248	67 1511
3761	8.8	23 10 45.12	+2.3015	+0.0388	+0.057	+ 69 42 7.4	+19.593	+0.063	−0.07	76.6	157 168 262 271	69 1321
3762	5.7	10 48.98	2.2811	0.0389	0.058	70 12 23.0	19.594	0.062	0.07	74.2[2]	68 158 248	70 1311
3763	8.6	11 16.08	2.2917	0.0393	0.059	70 7 33.3	19.603	0.062	0.07	73.4	68 158 195	70 1312
3764	9.3	12 10.35	2.4554	0.0385	0.048	65 49 5.0	19.619	0.066	0.09	74.4 74.9	5 Beob. [3]	65 1871
3765	9.0	12 12.22	2.4641	0.0383	0.048	65 31 31.5	19.620	0.066	0.09	75.3	80 157 194 276	65 1872
3766	9.2	23 12 16.39	+2.4724	+0.0382	+0.047	+ 65 15 37.1	+19.621	+0.066	−0.09	73.2	80 111 160 168	65 1873
3767	8.4	12 40.13	2.3593	0.0403	0.057	68 57 56.8	19.628	0.062	0.08	74.2	68 158 248	68 1365
3768	9.1	13 28.56	2.4942	0.0387	0.047	64 59 56.3	19.642	0.065	0.09	73.4	78 111 160 197	64 1786
3769	5.0[4]	13 30.04	2.4242	0.0403	0.054	67 25 37.4	19.643	0.063	0.08	73.6 73.8[5]	80 157 161 195	67 1514
3770	8.7	13 49.05	2.3474	0.0415	0.061	69 44 19.8	19.649	0.060	0.08	73.2	68 157 159	69 1326
3771	8.5	23 14 28.04	+2.4870	+0.0398	+0.050	+ 65 43 55.6	+19.660	+0.063	−0.09	73.2	78 111 160 168	65 1877
3772	8.6	17 10.58	2.5045	0.0421	0.054	66 22 21.5	19.705	0.059	0.09	75.6	78 111 248 271	66 1603
3773	8.5	17 29.74	2.4675	0.0435	0.059	67 49 13.2	19.710	0.058	0.09	75.5	80 157 271	67 1522
3774	9.1	17 32.87	2.4470	0.0440	0.061	68 30 20.5	19.711	0.057	0.09	72.8	68 158	68 1372
3775	8.8	17 40.38	2.4545	0.0440	0.061	68 19 25.9	19.713	0.057	0.09	74.5	68 158 262	68 1373
3776	9.0	23 18 9.44	+2.5026	+0.0432	+0.056	+ 66 55 11.3	+19.721	+0.058	−0.09	74.2	159 193	66 1604
3777	8.7	18 9.99	2.5505	0.0415	0.051	65 3 19.9	19.721	0.059	0.10	75.9	111 168 272	64 1798
3778	8.8	18 39.86	2.5323	0.0427	0.056	66 3 7.6	19.729	0.058	0.09	74.3	160 194	65 1883
3779	8.6	18 51.62	2.4389	0.0457	0.065	69 20 53.1	19.732	0.055	0.09	74.5	68 158 262	69 1328
3780	8.6[6]	19 9.51	2.4675	0.0454	0.063	68 36 1.8	19.737	0.055	0.09	76.5	159 193 277	68 1375
3781	8.4	23 19 33.04	+2.5568	+0.0428	+0.053	+ 65 30 55.8	+19.743	+0.057	−0.10	76.1	111 194 272	65 1887
3782	8.9	19 50.43	2.4566	0.0465	0.066	69 15 50.2	19.747	0.054	0.09	72.8	68 158	69 1329
3783	8.8	20 19.95	2.5755	0.0429	0.053	65 7 55.8	19.755	0.056	0.10	76.1	111 194 272	65 1888
3784	7.4	20 21.34	2.5497	0.0440	0.056	66 14 0.7	19.755	0.056	0.10	74.2	160 193	66 1607
3785	6.5	20 23.77	2.4955	0.0461	0.063	68 16 6.8	19.756	0.054	0.09	74.2	159 193	68 1376
3786	6.2	23 21 0.76	+2.4505	+0.0481	+0.071	+ 69 59 48.4	+19.765	+0.052	−0.09	74.5[7]	68 158 262	69 1331
3787	8.0	21 28.93	2.5408	0.0458	0.060	67 10 43.4	19.772	0.053	0.09	76.2	159 168 272	67 1525
3788	5.5	22 0.04	2.4766	0.0487	0.071	69 40 18.6	19.779	0.051	0.09	72.8[8]	68 158	69 1332
3789	9.1	22 22.40	2.5867	0.0448	0.056	65 46 7.4	19.785	0.053	0.10	73.2	80 111 195	65 1895
3790	9.2	23 21.94	2.5925	0.0458	0.058	66 4 38.9	19.799	0.052	0.10	75.1	160 194 248	65 1897
3791	9.1	23 23 35.36	+2.6053	+0.0454	+0.056	+ 65 37 53.0	+19.802	+0.052	−0.10	74.3	160 194	65 1898
3792	8.9	23 37.07	2.5897	0.0463	0.059	66 20 45.2	19.802	0.051	0.10	73.4	68 158 193	66 1610
3793	9.1	23 40.37	2.6181	0.0448	0.055	65 4 28.0	19.803	0.052	0.10	75.2 75.7	80 111 272	64 1812
3794	8.9	23 42.26	2.6115	0.0452	0.056	65 24 42.4	19.803	0.052	0.10	76.5	160 195 277	65 1899
3795	9.1	24 7.74	2.6144	0.0456	0.056	65 31 40.4	19.809	0.051	0.10	74.4	160 194 196	65 1900
3796	9.1	23 24 12.10	+2.6168	+0.0455	+0.056	+ 65 27 21.2	+19.810	+0.051	−0.10	74.2	160 164 195	65 1901
3797	8.8	24 29.30	2.6300	0.0451	0.055	64 59 14.8	19.814	0.051	0.11	76.4	111 168 262 272	64 1814
3798	8.3	24 50.40	2.5777	0.0486	0.065	67 33 12.0	19.819	0.049	0.10	74.2	68 158 248	67 1528
3799	8.7	25 54.83	2.6482	0.0460	0.056	64 57 21.3	19.833	0.049	0.11	76.4	111 168 262 272	64 1818
3800	8.9	26 2.56	2.5340	0.0526	0.077	69 51 41.4	19.835	0.046	0.09	75.5	68 158 277	69 1333

[1] Z. 197 α ausgeschlossen [2] E.B. +0.004 −0.006 [3] Z. 23α 78 111 161 271 [4] 9m 2.5 A.
[5] E.B. +0.0093 +0.006 [6] Var.? [7] E.B. +0.005 −0.003 [8] E.B. +0.028 −0.009

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B. D.
3801	6.7	$23^h\ 26^m\ 34^s.81$	+2ˢ.6547	+0ˢ.0465	+0ˢ.056	+ 65° 2′ 57″.0	+19″.841	+0″.048	−0″.11	73.5	111 168	64° 1819
3802	9.1	26 40.40	2.6027	0.0500	0.066	67 34 41.0	19.843	0.046	0.10	75.2 75.4	165 193 248	67 1531
3803	9.1	27 31.32	2.6548	0.0479	0.059	65 39 43.7	19.853	0.046	0.11	76.3	161 168 277	65 1912
3804	9.2	27 39.14	2.5636	0.0538	0.078	69 42 23.1	19.855	0.044	0.10	74.6	68 159 262	69 1335
3805	6.9	28 5.03	2.5712	0.0541	0.078	69 40 34.5	19.860	0.043	0.10	72.8	68 159	69 1337
3806	9.1	23 28 10.51	+2.6188	+0.0514	+0.069	+ 67 47 52.0	+19.861	+0.044	−0.10	76.5	164 193 277	67 1533
3807	8.7	28 16.42	2.6307	0.0508	0.067	67 19 29.8	19.862	0.044	0.10	75.1	164 193 248	67 1534
3808	8.5	28 21.64	2.6400	0.0503	0.065	66 56 37.7	19.863	0.044	0.11	74.4	161 194 196	66 1615
3809	9.2	28 36.70	2.6413	0.0506	0.066	67 2 30.0	19.866	0.044	0.11	72.9	80 161	66 1616
3810	7.1	29 32.34	2.6588	0.0509	0.065	66 48 3.8	19.877	0.043	0.11	75.4	80 161 166 272	66 1619
3811	8.7	23 29 53.85	+2.6574	+0.0516	+0.067	+ 67 6 54.3	+19.881	+0.042	−0.11	75.2 75.4	165 195 248	67 1540
3812	8.4	30 7.30	2.6758	0.0505	0.064	66 19 43.0	19.884	0.042	0.11	73.8	111 194	66 1621
3813	8.4	30 13.96	2.6802	0.0503	0.063	66 10 13.2	19.885	0.042	0.11	74.2	160 168 196	66 1622
3814	9.1	30 22.58	2.6275	0.0547	0.076	68 49 4.1	19.887	0.041	0.10	74.5	68 158 262	68 1383
3815	7.5	30 50.56	2.6695	0.0523	0.068	67 9 28.7	19.892	0.041	0.11	74.3	164 195	67 1542
3816	9.1	23 31 8.77	+2.6975	+0.0505	+0.063	+ 65 52 15.6	+19.896	+0.041	−0.11	74.3	161 194	65 1917
3817	8.4	31 40.28	2.7180	0.0495	0.060	65 2 56.4	19.901	0.040	0.12	73.9	160 168	64 1831
3818	9.1	31 40.76	2.6853	0.0525	0.068	66 55 59.5[1]	19.901	0.040	0.11	79.1 80.7	165 197 272 309	66 1625
3819	8.8	31 41.12	2.6987	0.0513	0.064	66 12 0.2	19.901	0.040	0.11	76.5 77.1	165 197 277	66 1626
3820	8.1	32 1.22	2.6614	0.0553	0.075	68 22 56.9	19.905	0.039	0.11	76.5	166 193 277	68 1384
3821	9.2	23 32 3.94	+2.7185	+0.0501	+0.061	+ 65 19 1.2	+19.905	+0.040	−0.12	74.3	161 194	65 1920
3822	8.1	32 8.38	2.6859	0.0534	0.070	67 14 9.3	19.906	0.039	0.11	76.5 77.0	165 197 272	67 1547
3823	9.0	32 10.00	2.6807	0.0539	0.071	67 31 40.2	19.906	0.039	0.11	74.3	166 195	67 1546
3824	8.4	32 21.24	2.6595	0.0561	0.078	68 42 22.2	19.909	0.038	0.11	76.5	158 193 277	68 1385
3825	9.0	32 45.61	2.6841	0.0548	0.073	67 46 50.4	19.913	0.038	0.11	76.5 77.0	165 195 272	67 1548
3826	7.8	23 32 50.34	+2.6394	+0.0589	+0.086	+ 69 56 10.2	+19.914	+0.037	−0.11	72.8	68 158	69 1342
3827	8.2	33 8.76	2.6901	0.0550	0.073	67 45 15.2	19.917	0.037	0.11	74.3	164 195	67 1549
3828	8.7	33 9.26	2.7246	0.0516	0.064	65 48 2.7	19.917	0.038	0.12	74.3	161 196	65 1922
3829	8.8	33 17.32	2.6868	0.0557	0.075	68 2 1.7	19.918	0.037	0.11	74.4	166 197	67 1550
3830	8.8	33 17.86	2.6499	0.0590	0.085	69 47 50.8	19.918	0.036	0.11	78.5	159 193 309	69 1344
3831	8.9	23 33 42.05	+2.7365	+0.0514	+0.064	+ 65 29 33.4	+19.922	+0.037	−0.12	76.4	160 194 272	65 1925
3832	9.4	34 3.76	2.6527	0.0605	0.089	70 12 24.5	19.926	0.035	0.11	72.8	68 158	70 1331
3833	7.7	34 9.15	2.6568	0.0604	0.088	70 5 29.3	19.927	0.035	0.11	76.5	159 193 278	69 1345
3834	9.1	34 37.88	2.6717	0.0602	0.087	69 45 41.5	19.931	0.034	0.11	80.9	277	[69 1347]
3835	8.1	34 44.05	2.7280	0.0545	0.070	66 51 36.6	19.933	0.035	0.12	74.3	164 196	66 1630
3836	9.3	23 34 58.65	+2.7497	+0.0526	+0.065	+ 65 41 39.8	+19.935	+0.035	−0.12	76.4	160 194 272	65 1927
3837	9.0	35 3.23	2.6798	0.0604	0.087	69 41 28.0	19.936	0.034	0.11	75.6 76.5	159 193 277	69 1348
3838	9.1	35 4.26	2.7184	0.0564	0.075	67 41 59.1	19.936	0.034	0.12	74.3	166 195	67 1553
3839	9.3	35 6.74	2.6700	0.0615	0.091	70 11 16.0	19.936	0.034	0.11	76.9	68 159 272 277	70 1332
3840	9.0	35 16.89	2.7239	0.0562	0.074	67 33 6.3	19.938	0.034	0.12	74.4	166 197	67 1554
3841	7.7	23 35 26.12	+2.7241	+0.0566	+0.075	+ 67 40 2.0	+19.939	+0.034	−0.12	74.3	165 195	67 1555
3842	8.5	35 26.96	2.7489	0.0537	0.067	66 9 13.0	19.939	0.034	0.12	74.8 75.2	164 166 196 262	66 1631
3843	8.9	35 32.25	2.6872	0.0608	0.087	69 41 51.1[2]	19.940	0.033	0.11	76.5 77.8	159a 193 277	69 1353
3844	9.2	35 36.36	2.7560	0.0532	0.066	65 48 39.7	19.941	0.034	0.12	74.3	161 194	65 1930
3845	8.9	36 0.26	2.7560	0.0541	0.067	66 9 45.8	19.944	0.034	0.12	76.3	196 262	66 1632
3846	8.5	23 36 2.37	+2.7144	+0.0592	+0.081	+ 68 42 1.6	+19.945	+0.033	−0.12	72.9	68 166	68 1387
3847	7.6	36 7.73	2.7286	0.0577	0.077	67 58 43.1	19.945	0.033	0.12	74.4	166 197	67 1557
3848	9.2	36 58.42	2.7398	0.0585	0.078	68 2 2.7	19.953	0.032	0.12	74.3	166 195	67 1558
3849	9.1	37 36.06	2.7931	0.0528	0.063	64 57 6.9	19.959	0.031	0.12	76.7	160 168 262 272	64 1846
3850	8.0[3]	38 0.72	2.7493	0.0600	0.081	68 22 10.4	19.962	0.030	0.12	78.5	164 195 309	68 1391

[1] 57″.3: 63″.8: 61″.3 56″.6 [2] Z. 159 δ ausgeschlossen [3] Com. $9^m.5$ 14″ 130°

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3. Gl.	Decl. 1875	Praec.	Var.saec.	3. Gl.	Ep.	Zonen	B. D.
3851	7.6	23h 38m 2.s47	+2.s7869	+0.s0548	+0.s068	+ 65° 51′ 32.″1	+19.″962	+0.″030	−0.″12	77.4	161 170 272 278	65° 1935
3852	8.2	38 10.57	2.7303	0.0630	0.090	69 36 30.1	19.963	0.029	0.12	73.9 74.5	68 158 262	69 1355
3853	9.0	38 12.75	2.7344	0.0626	0.089	69 24 46.3	19.964	0.029	0.12	74.2	158 193	69 1356
3854	8.8	38 16.52	2.7865	0.0555	0.069	66 7 0.4	19.964	0.030	0.12	74.0	161 168	66 1637
3855	9.2	38 35.97	2.7399	0.0630	0.089	69 26 29.2	19.967	0.029	0.12	74.1	158 166 193	69 1357
3856	9.1	23 39 2.44	+2.7545	+0.0622	+0.086	+ 68 58 42.1	+19.970	+0.028	−0.12	74.3 74.4	165 194	68 1392
3857	6.6	39 7.47	2.7544	0.0625	0.087	69 3 40.7	19.971	0.028	0.12	72.8	68 159	68 1393
3858	8.8	40 4.92	2.7738	0.0626	0.086	68 45 14.8	19.979	0.027	0.12	74.6 74.7	68 165 262	68 1394
3859	8.4	40 27.92	2.7912	0.0610	0.081	67 57 19.0	19.981	0.026	0.13	76.5	161 195 278	67 1561
3860	6.4	40 39.79	2.8181	0.0569	0.070	66 5 17.0	19.983	0.026	0.13	76.5	160 196 272	65 1943
3861	9.3[1]	23 41 10.06	+2.7957	+0.0625	+0.084	+ 68 21 22.3	+19.987	+0.025	−0.13	80.9	277	[68 1395]
3862	9.3	41 26.46	2.8305	0.0570	0.070	65 53 40.4	19.989	0.025	0.13	73.2 73.1	68 160 164	65 1944
3863	**5.6**	**41 56.71**	**2.8230**	**0.0601**	**0.077**	**67 6 44.5**	**19.992**	**0.024**	**0.13**		**Fund. Cat.** [2]	**67 1562**
3864	8.3	42 8.91	2.8432	0.0568	0.069	65 34 16.0	19.993	0.024	0.13	74.2	160 164 196	65 1946
3865	8.7	42 13.40	2.8427	0.0571	0.070	65 42 42.4	19.994	0.024	0.13	76.5	161 196 278	65 1947
3866	7.8	23 42 14.28	+2.8403	+0.0577	+0.071	+ 65 57 6.1	+19.994	+0.024	−0.13	73.1 73.2	68 160 161	65 1948
3867	8.0	43 10.23	2.8298	0.0630	0.084	67 58 21.5	20.000	0.022	0.13	76.5 77.1	165 197 277	67 1564
3868	9.0	43 26.02	2.8251	0.0650	0.087	68 39 22.7	20.002	0.021	0.13	77.5	197 248 272	68 1398
3869	8.8	43 33.39	2.8276	0.0650	0.088	68 36 33.1	20.003	0.021	0.13	75.2 75.4	165 195 248	68 1399
3870	8.6	43 39.66	2.8302	0.0649	0.088	68 31 5.3	20.003	0.021	0.13	75.6 75.9	68 165 278	68 1400
3871	9.2	23 43 54.27	+2.8518	+0.0610	+0.078	+ 66 56 32.1	+20.005	+0.021	−0.13	76.5	164 196 272	66 1646
3872	7.2	44 18.03	2.8646	0.0596	0.074	66 12 43.9	20.007	0.020	0.14	76.5	160 196 278	66 1647
3873	7.7	44 19.36	2.8365	0.0662	0.091	68 48 33.5	20.007	0.020	0.13	74.0	165 170	68 1402
3874	8.4	44 20.44	2.8585	0.0612	0.078	66 52 27.4	20.007	0.020	0.13	74.5	161 196 197	66 1648
3875	8.4	45 21.08	2.8674	0.0631	0.082	67 21 57.6	20.013	0.018	0.14	72.4	31 161	67 1567
3876	8.5	23 45 55.61	+2.8595	+0.0678	+0.093	+ 68 54 24.6	+20.016	+0.017	−0.13	74.3	159 195	68 1404
3877	9.2	46 6.82	2.8924	0.0597	0.073	65 45 41.5	20.017	0.017	0.14	71.9	25 110	65 1955
3878	8.5	46 7.02	2.8547	0.0700	0.099	69 35 14.6	20.017	0.017	0.13	72.4	68 108	69 1366
3879	9.3	46 14.99	2.8997	0.0582	0.069	65 4 35.5	20.018	0.017	0.14	73.8	107 196	64 1866
3880	8.9	46 26.01	2.8801	0.0646	0.090	67 37 49.6	20.019	0.016	0.14	76.5	164 195 272	67 1569
3881	8.2	23 46 35.40	+2.8848	+0.0640	+0.083	+ 67 21 34.2	+20.020	+0.016	−0.14	74.3	161 197	67 1570
3882	8.8	46 36.38	2.8828	0.0646	0.084	67 35 50.9	20.020	0.016	0.14	74.3	164 195	67 1571
3883	9.0	46 52.44	2.8818	0.0663	0.088	68 6 19.5	20.021	0.015	0.14	74.4 74.5	165 196	67 1572
3884	8.9	47 5.59	2.9055	0.0602	0.073	65 42 28.7	20.022	0.015	0.14	73.5	25 110 248	65 1958
3885	8.4	47 13.41	2.9043	0.0611	0.075	66 4 33.9	20.023	0.015	0.14	75.2	31 161 277	65 1959
3886	9.1	23 47 19.86	+2.8795	+0.0693	+0.096	+ 69 2 1.2	+20.024	+0.015	−0.14	74.3	164 195	68 1406
3887	8.5	47 31.48	2.8743	0.0720	0.103	69 49 15.5	20.025	0.014	0.14	73.9	68 108 248	69 1368
3888	7.8	48 1.68	2.9219	0.0592	0.070	65 5 19.0	20.027	0.014	0.14	73.4	107 170	64 1875
3889	8.4	48 9.63	2.9162	0.0619	0.076	66 7 42.8	20.027	0.013	0.14	76.6	31 161 272 277	66 1654
3890	8.6	48 30.33	2.9234	0.0611	0.074	65 45 10.3	20.029	0.013	0.14	71.9	25 110	65 1964
3891	8.7	23 48 33.33	+2.8984	+0.0703	+0.097	+ 68 59 57.2	+20.029	+0.013	−0.14	73.5	68 164 197	68 1408
3892	8.8	48 57.50	2.8948	0.0741	0.107	70 3 33.8	20.031	0.012	0.14	76.2	108 195 277	69 1369
3893	8.8	49 28.34	2.9037	0.0743	0.107	69 59 21.8	20.033	0.011	0.14	73.8	108 165 195	69 1370
3894	9.0	49 34.05	2.9068	0.0738	0.105	69 48 53.8	20.033	0.011	0.14	73.4	106 167	69 1371
3895	8.9	49 52.05	2.9386	0.0630	0.077	66 9 13.9	20.035	0.010	0.15	73.6	31 110 248	66 1658
3896	8.3	23 50 12.87	+2.9437	+0.0630	+0.077	+ 66 3 14.8	+20.036	+0.010	−0.15	71.8	25 107	65 1969
3897	8.5	51 18.23	2.9536	0.0659	0.082	66 51 29.6	20.040	0.008	0.15	76.5	5 Beob. [3]	66 1661
3898	8.9	51 30.69	2.9647	0.0618	0.073	65 17 10.9	20.040	0.007	0.15	74.8	25 107 196 277	65 1971
3899	8.3	51 41.29	2.9424	0.0747	0.105	69 31 56.0	20.041	0.007	0.15	73.9	68 108 248	69 1372
3900	8.5	51 46.15	2.9615	0.0654	0.081	66 33 48.4	20.041	0.007	0.15	75.2	31 160 273	66 1662

[1] Com. 9m6 15″ 110° [2] E.B. −0.s004 −0.″010 [3] Z. 29 35 110 272 309

Nr.	Gr.	A.R. 1875	Praec.	Var.saec.	3.Gl.	Decl. 1875	Praec.	Var.saec.	3.Gl.	Ep.	Zonen	B.D.
3901	8.4	$23^h\ 51^m 48^s.33$	+2ˢ.9492	+0ˢ.0722	+0ˢ.098	+ 68°45′ 54″.4	+20″.041	+0″.007	−0″.15	74.3	164 195	68° 1412
3902	8.6	51 58.08	2.9626	0.0664	0.083	66 52 17.4	20.042	+0.007	0.15	78.3	161 170 309	66 1664
3903	8.4	51 59.61	2.9449	0.0762	0.108	69 51 43.1	20.042	+0.006	0.15	73.9	106 167 197	69 1373
3904	9.1	52 14.43	2.9734	0.0625	0.074	65 23 20.0	20.043	+0.006	0.15	71.9	31 110	65 1974
3905	7.8	52 18.23	2.9574	0.0722	0.097	68 38 53.4	20.043	+0.006	0.15	76.3 76.7	165 170 273	68 1414
3906	8.7	23 52 41.72	+2.9760	+0.0647	+0.079	+ 66 7 6.3	+20.044	+0.005	−0.15	72.4	29 160	66 1667
3907	9.1	52 49.58	2.9785	0.0644	0.078	65 56 52.5	20.044	+0.005	0.15	71.8	25 107	65 1976
3908	8.3	53 6.45[1]	2.9743	0.0697	0.090	67 41 15.2	20.045	+0.005	0.15	72.5 75.3	35 164 272δ	67 1583
3909	8.9	53 46.51	2.9898	0.0658	0.080	66 14 16.1	20.047	+0.003	0.15	75.2	29 161 272	66 1668
3910	8.5	53 58.44	2.9960	0.0631	0.074	65 14 54.4	20.047	+0.003	0.15	73.5	25 107 248	65 1979
3911	8.0	23 54 5.54	+2.9904	+0.0687	+0.087	+ 67 9 21.9	+20.048	+0.003	−0.15	74.0	164 170	67 1586
3912	9.0	54 12.99	2.9906	0.0700	0.090	67 33 14.3	20.048	+0.002	0.15	72.5	35 165	67 1587
3913	8.3	54 14.17	2.9792	0.0793	0.114	70 8 12.5	20.048	+0.002	0.15	73.2	68 108 197	70 1339
3914	7.1	54 32.97	3.0003	0.0660	0.080	66 9 6.1	20.049	+0.002	0.16	72.9 72.7	31 160 166	66 1670
3915	7.9	54 37.31	2.9955	0.0710	0.092	67 45 42.4	20.049	+0.002	0.15	74.4 74.5	165 196	67 1588
3916	8.8	23 54 37.65	+2.9913	+0.0747	+0.101	+ 68 49 43.9	+20.049	+0.002	−0.15	74.3	166 195	68 1416
3917	8.4	54 42.16	2.9921	0.0750	0.102	68 54 27.2	20.049	+0.002	0.15	73.4	106 167	68 1417
3918	7.4	54 44.45	2.9928	0.0749	0.102	68 52 47.8	20.049	+0.001	0.15	74.3	166 195	68 1418
3919	8.2	54 49.77	2.9983	0.0713	0.093	67 48 7.9	20.049	+0.001	0.15	76.5 77.1	165 196 277	67 1589
3920	9.0	54 56.92	3.0056	0.0662	0.080	66 8 25.3	20.049	+0.001	0.16	72.4	29 161	66 1671
3921	7.2	23 54 58.52	+2.9907	+0.0804	+0.116	+ 70 13 59.4	+20.049	+0.001	−0.15	73.2	68 108 197	70 1341
3922	9.1	55 13.10	3.0117	0.0639	0.075	65 15 19.0	20.050	+0.001	0.16	73.5	25 110 248	65 1982
3923	8.9	55 15.82	3.0046	0.0716	0.093	67 47 4.7	20.050	0.000	0.16	74.4 74.5	165 196	67 1592
3924	7.3	55 26.85	3.0137	0.0650	0.077	65 36 35.1	20.050	0.000	0.16	75.9	110 170 272	65 1984
3925	6.8	55 36.66	3.0154	0.0655	0.078	65 44 32.1	20.051	0.000	0.16	71.9	31 110	65 1985
3926	9.1	23 55 41.33	+3.0084	+0.0744	+0.099	+ 68 30 52.4	+20.051	0.000	−0.16	77.9	106 167 309	68 1420
3927	8.8	55 48.00	3.0153	0.0685	0.085	66 42 45.8	20.051	−0.001	0.16	74.3	164 196	66 1675
3928	7.5	56 2.19	3.0192	0.0679	0.084	66 28 1.5	20.051	−0.001	0.16	72.4	29 164	66 1676
3929	6.4[2]	56 12.66	3.0240	0.0649	0.077	65 24 9.9	20.052	−0.001	0.16	71.8 71.5[3]	25 107	65 1987
3930	8.0	56 15.24	3.0245	0.0649	0.077	65 24 12.7	20.052	−0.001	0.16	71.9	35 107	65 1988
3931	9.0	23 56 44.75	+3.0293	+0.0674	+0.082	+ 66 9 42.0	+20.052	−0.002	−0.16	72.4	31 161	66 1677
3932	9.1	56 52.21	3.0274	0.0729	0.094	67 49 30.5	20.052	−0.003	0.16	76.6 77.0	165 195 248 272	67 1593
3933	7.5	57 12.93	3.0285	0.0798	0.112	69 36 36.0	20.053	−0.003	0.16	73.2	68 108 197	69 1377
3934	9.0	57 14.05	3.0334	0.0719	0.092	67 27 28.9	20.053	−0.003	0.16	72.4	29 164	67 1596
3935	9.1	57 18.02	3.0338	0.0728	0.094	67 42 3.4	20.053	−0.003	0.16	74.0	166 170	67 1597
3936	8.1	23 57 20.92	+3.0336	+0.0745	+0.098	+ 68 10 51.2	+20.053	−0.003	−0.16	75.9	106 167 273	68 1423
3937	6.7	57 26.13	3.0386	0.0674	0.081	66 1 0.0	20.053	−0.004	0.16	71.8	25 110	65 1993
3938	4.6	58 13.38	3.0484	0.0693	0.085	66 28 9.5	20.054	−0.005	0.16	72.4	31 161	66 1679
3939	7.5	58 15.56	3.0447	0.0815	0.115	69 47 22.4	20.054	−0.005	0.16	76.5	68 248 272	69 1378
3940	8.5	58 22.11	3.0492	0.0729	0.093	67 29 34.1	20.054	−0.005	0.16	76.5 77.0	165 196 277	67 1598
3941	8.4	23 58 23.86	+3.0521	+0.0655	+0.076	+ 65 8 44.0	+20.054	−0.005	−0.16	74.9	29 110 277	65 1994
3942	8.7	58 26.01	3.0470	0.0830	0.119	70 6 27.6	20.054	−0.006	0.16	73.6	106 108 167 197	69 1379
3943	8.8	58 33.85	3.0536	0.0675	0.081	65 49 15.1	20.054	−0.006	0.16	72.9 72.7	25 160 166	65 1995
3944	7.3	58 41.25	3.0541	0.0719	0.090	67 8 41.1	20.054	−0.006	0.16	74.0	165α 166 170	67 1599
3945	9.3	58 45.45	3.0566	0.0657	0.076	65 8 45	20.054	−0.006	0.16	80.8	272	[65 1997]
3946	6.7	23 58 51.15	+3.0555	+0.0757	+0.099	+ 68 11 16.3	+20.054	−0.006	−0.16	76.5	166 195 277	68 1426
3947	8.8	59 21.65	3.0624	0.0800	0.109	69 11 23.2	20.054	−0.007	0.17	75.9	106 167 277	69 1380
3948	9.1	59 47.76	3.0689	0.0850	0.122	70 16 24.0	20.054	−0.008	0.17	73.2	68 108 197	70 1345
3949	8	59 50.80	3.0700	0.0755	0.098	67 56 25.6	20.054	−0.008	0.17	72.4	29 160	67 1600

[1] Z. 272 α ausgeschlossen [2] Rothgelb [3] E.B. −0ˢ.001 −0″.034

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